

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055485.D
 Acq On : 9 May 2019 10:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 10 04:09:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	742063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1260772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1101192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	467367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	533950	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
35) Dibromofluoromethane	7.59	113	407200	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.09	98	1620398	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	558765	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	351987	46.590	ug/l	100
3) Chloromethane	2.06	50	549705	44.786	ug/l	99
4) Vinyl Chloride	2.19	62	542102	46.788	ug/l	99
5) Bromomethane	2.54	94	306208	48.236	ug/l	97
6) Chloroethane	2.69	64	328553	48.684	ug/l	99
7) Trichlorofluoromethane	3.01	101	619314	48.724	ug/l	100
8) Diethyl Ether	3.41	74	265569	46.522	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	391689	48.435	ug/l	99
10) Methyl Iodide	3.95	142	546611	50.010	ug/l	100
11) Tert butyl alcohol	4.81	59	327541	198.545	ug/l	99
12) 1,1-Dichloroethene	3.73	96	391458	48.267	ug/l	98
13) Acrolein	3.61	56	268029	243.780	ug/l	99
14) Allyl chloride	4.32	41	774381	46.611	ug/l	100
15) Acrylonitrile	4.99	53	1137299	222.639	ug/l	99
16) Acetone	3.82	43	1232698	238.275	ug/l	98
17) Carbon Disulfide	4.05	76	1098092	49.608	ug/l	99
18) Methyl Acetate	4.33	43	466171	42.780	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1243683	46.149	ug/l	99
20) Methylene Chloride	4.55	84	474949	44.896	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	424717	48.300	ug/l	98
22) Diisopropyl ether	5.96	45	1640136	48.581	ug/l	99
23) Vinyl Acetate	5.90	43	6305057	241.488	ug/l	100
24) 1,1-Dichloroethane	5.85	63	852902	46.799	ug/l	99
25) 2-Butanone	6.84	43	1652801	231.275	ug/l	99
26) 2,2-Dichloropropane	6.82	77	559727	49.267	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	489323	48.150	ug/l	99
28) Bromochloromethane	7.19	49	458152	48.408	ug/l	99
29) Tetrahydrofuran	7.22	42	1028511	217.702	ug/l	100
30) Chloroform	7.37	83	803146	47.671	ug/l	98
31) Cyclohexane	7.65	56	838718	46.513	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	622731	48.537	ug/l	100
36) 1,1-Dichloropropene	7.79	75	638837	51.433	ug/l	99
37) Ethyl Acetate	6.93	43	626352	46.229	ug/l	99
38) Carbon Tetrachloride	7.77	117	515746	49.312	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	766676	50.625	ug/l	99
40) Benzene	8.04	78	1897529	49.224	ug/l	100
41) Methacrylonitrile	7.18	41	308944	49.128	ug/l	99
42) 1,2-Dichloroethane	8.12	62	640657	47.304	ug/l	99
43) Isopropyl Acetate	8.17	43	970070	47.127	ug/l	98
44) Trichloroethene	8.83	130	453207	49.410	ug/l	97
45) 1,2-Dichloropropane	9.12	63	531726	48.208	ug/l	98
46) Dibromomethane	9.21	93	308079	48.188	ug/l	99
47) Bromodichloromethane	9.40	83	611196	49.972	ug/l	99
48) Methyl methacrylate	9.20	41	471425	47.534	ug/l	100
49) 1,4-Dioxane	9.20	88	172783	893.869	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3077345	227.313	ug/l	100
52) Toluene	10.16	92	1125568	51.073	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	615571	52.403	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	733831	52.279	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	436379	48.871	ug/l	99
56) Ethyl methacrylate	10.43	69	635364	47.838	ug/l	99
57) 1,3-Dichloropropane	10.71	76	771677	48.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	911786	206.238	ug/l	100
59) 2-Hexanone	10.75	43	2163138	227.839	ug/l	100
60) Dibromochloromethane	10.90	129	421628	51.935	ug/l	100
61) 1,2-Dibromoethane	11.00	107	424562	49.487	ug/l	99
64) Tetrachloroethene	10.63	164	447962	49.646	ug/l	99
65) Chlorobenzene	11.43	112	1129224	49.843	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	397013	50.902	ug/l	99
67) Ethyl Benzene	11.51	91	2138663	50.262	ug/l	100
68) m/p-Xylenes	11.62	106	1586871	103.920	ug/l	99
69) o-Xylene	11.95	106	764042	50.907	ug/l	99
70) Styrene	11.96	104	1287873	53.560	ug/l	99
71) Bromoform	12.13	173	277224	52.673	ug/l #	99
73) Isopropylbenzene	12.25	105	2038080	53.038	ug/l	99
74) N-amyl acetate	12.07	43	792499	44.663	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	601778	47.925	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	751923	59.098	ug/l #	100
77) Bromobenzene	12.53	156	463435	44.994	ug/l	98
78) n-propylbenzene	12.59	91	2388737	47.653	ug/l	100
79) 2-Chlorotoluene	12.67	91	1425097	45.617	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1760335	47.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	159658	46.302	ug/l	98
82) 4-Chlorotoluene	12.77	91	1406757	47.656	ug/l	100
83) tert-Butylbenzene	12.99	119	1446536	45.150	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1696758	49.497	ug/l	100
85) sec-Butylbenzene	13.17	105	2004706	47.082	ug/l	99
86) p-Isopropyltoluene	13.29	119	1722141	49.697	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	804558	50.552	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	780089	49.665	ug/l	99
89) n-Butylbenzene	13.61	91	1423660	53.002	ug/l	100
90) Hexachloroethane	13.87	117	269078	47.601	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	780933	49.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	97449	45.343	ug/l	96

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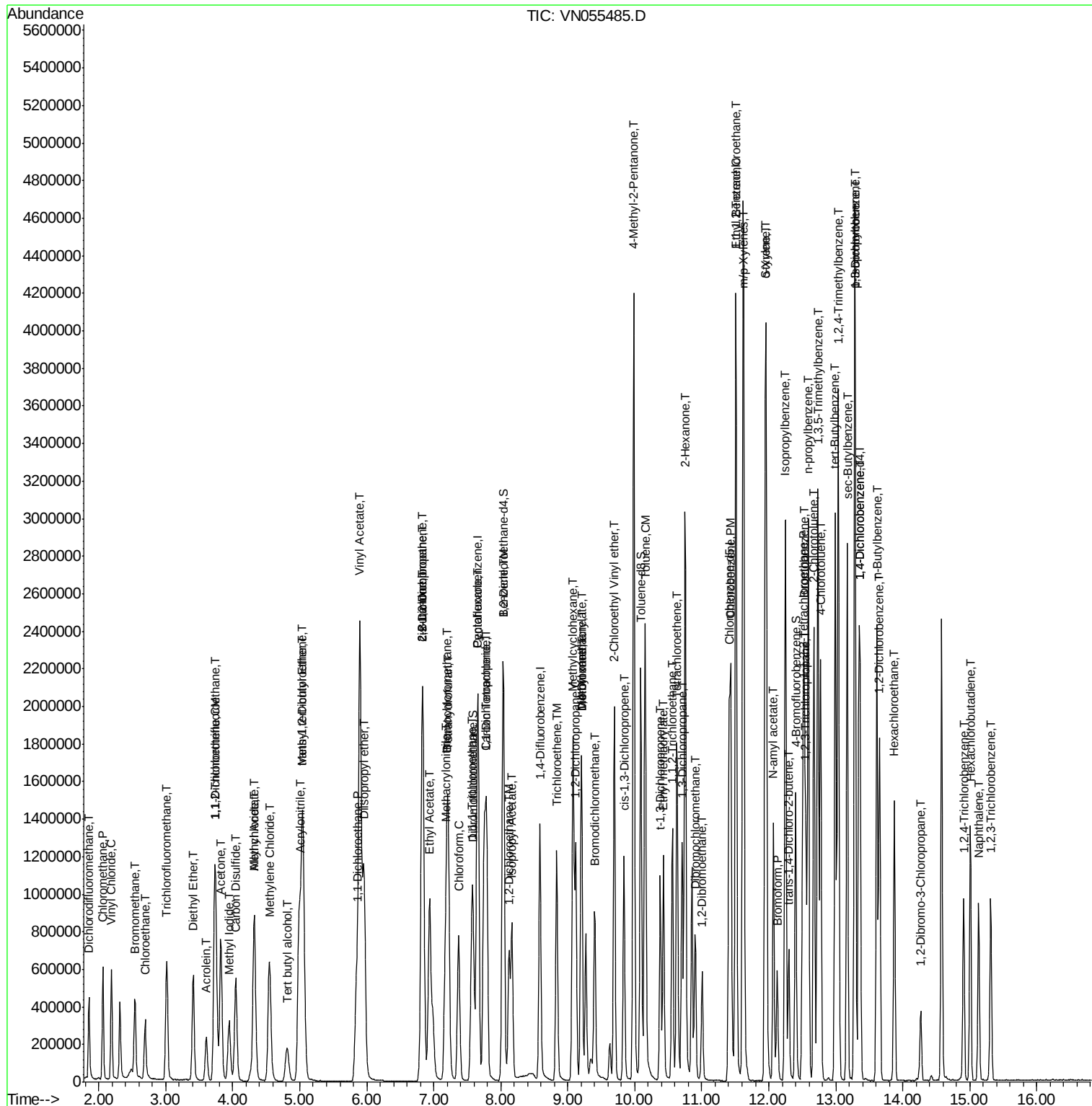
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	318736	46.276	ug/l	97
94) Hexachlorobutadiene	15.01	225	263427	56.254	ug/l	99
95) Naphthalene	15.13	128	783494	40.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	339101	45.446	ug/l	99

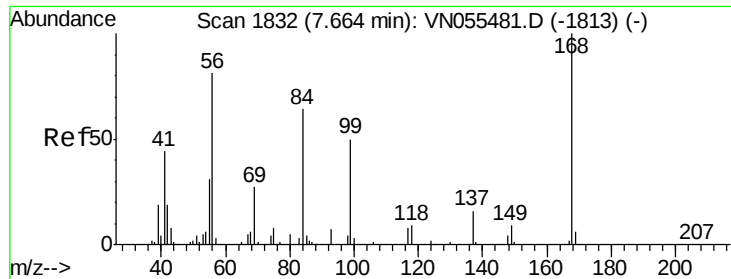
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

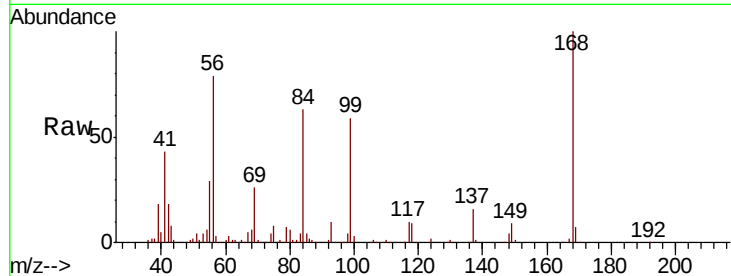
VSTDCCC050

Tot Ion:168 Resp: 742063

Ion Ratio Lower Upper

168 100

99 58.0 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

300000

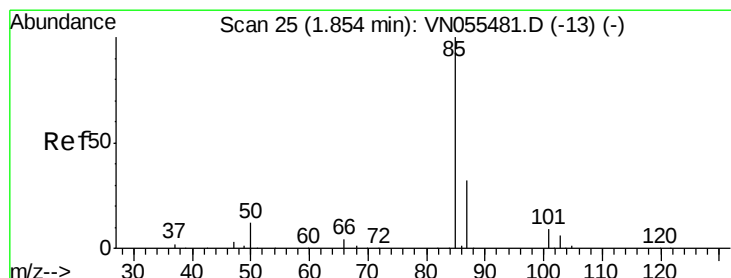
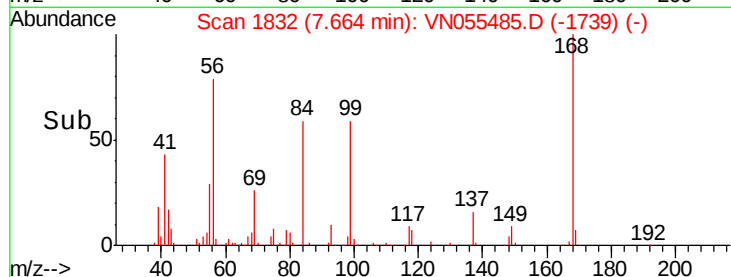
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.590 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055485.D

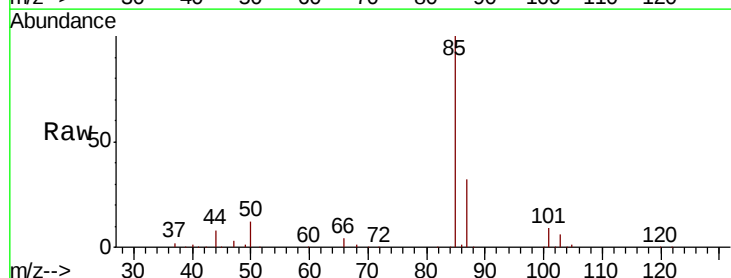
Acq: 9 May 2019 10:03

Tgt Ion: 85 Resp: 351987

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

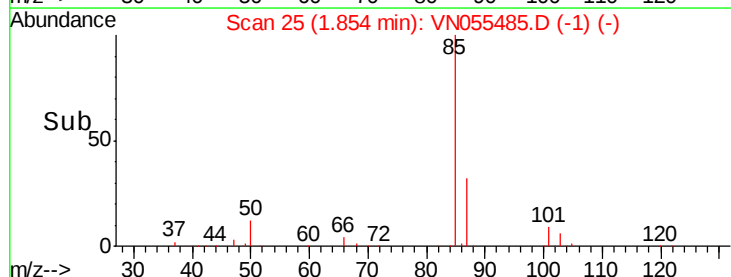
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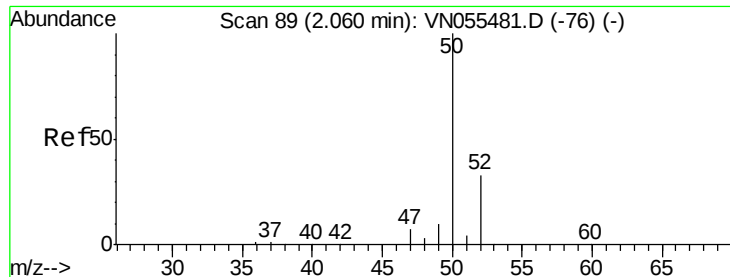
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.786 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

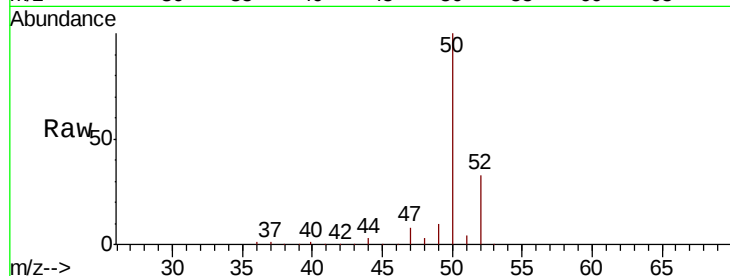
VSTDCCC050

Tot Ion: 50 Resp: 549705

Ion Ratio Lower Upper

50 100

52 32.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

400000

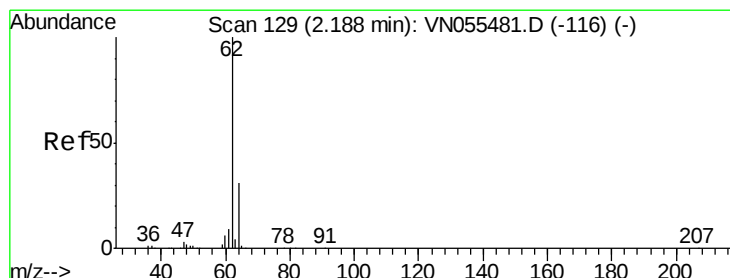
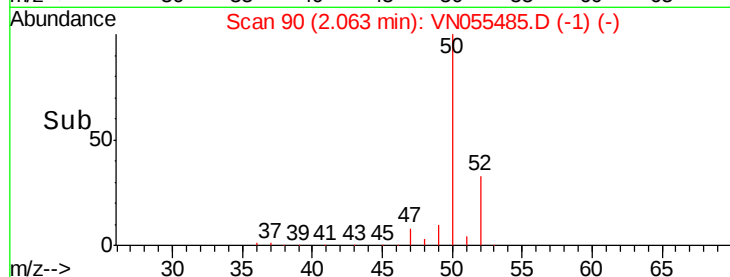
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 46.788 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055485.D

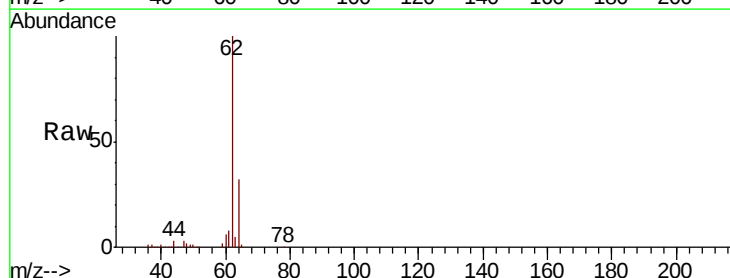
Acq: 9 May 2019 10:03

Tgt Ion: 62 Resp: 542102

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

400000

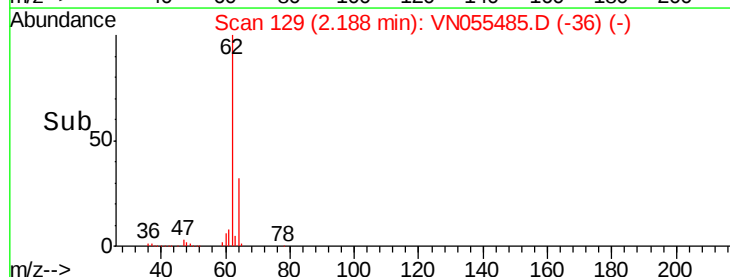
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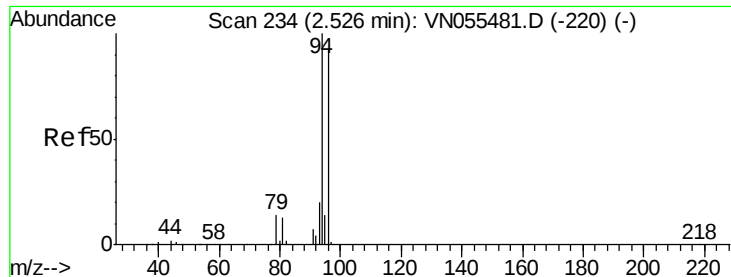
200000

100000

0

Time-->





#5

Bromomethane

Concen: 48.236 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

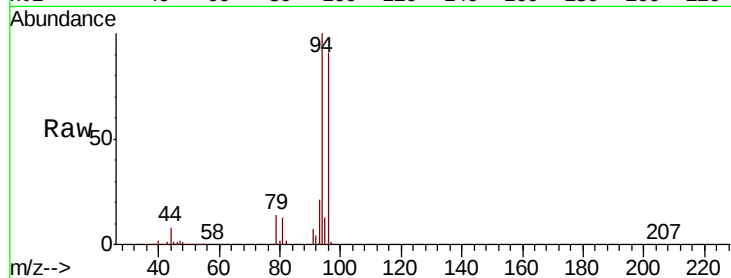
VSTDCCC050

Tot Ion: 94 Resp: 306208

Ion Ratio Lower Upper

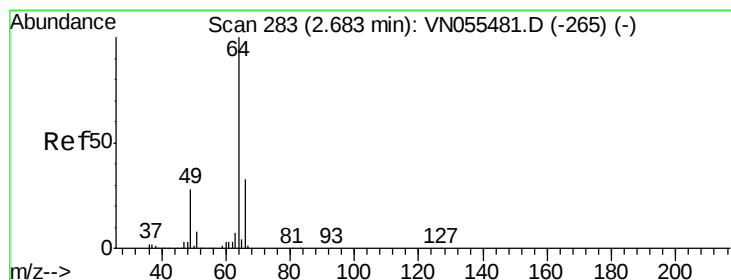
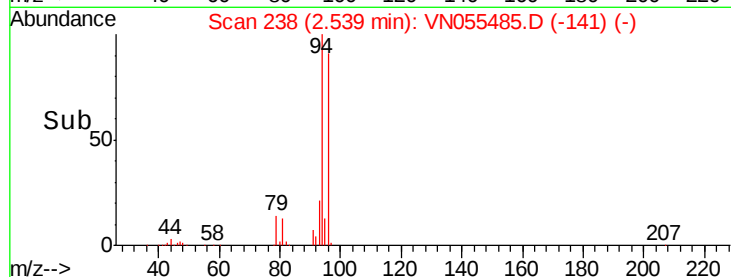
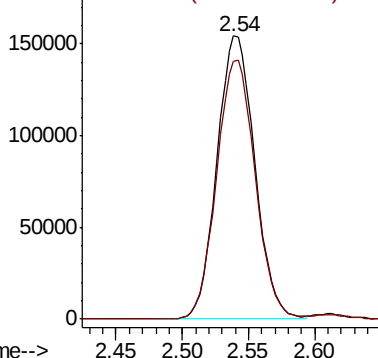
94 100

96 91.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.684 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055485.D

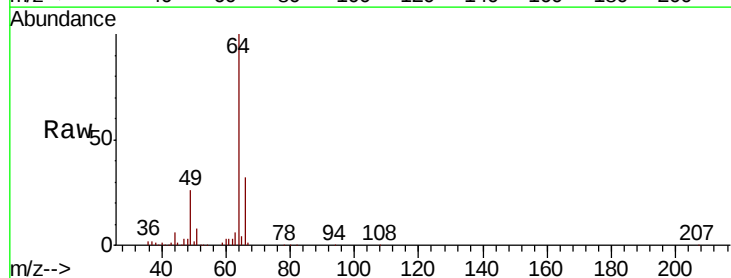
Acq: 9 May 2019 10:03

Tgt Ion: 64 Resp: 328553

Ion Ratio Lower Upper

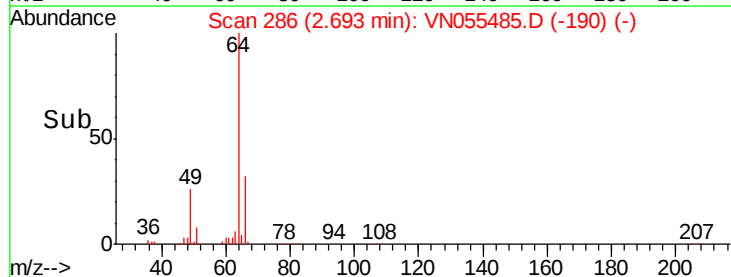
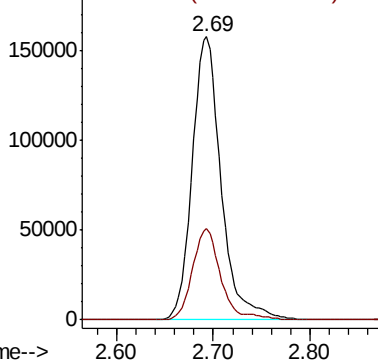
64 100

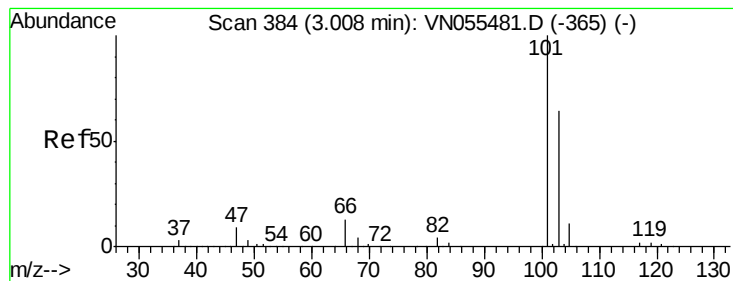
66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



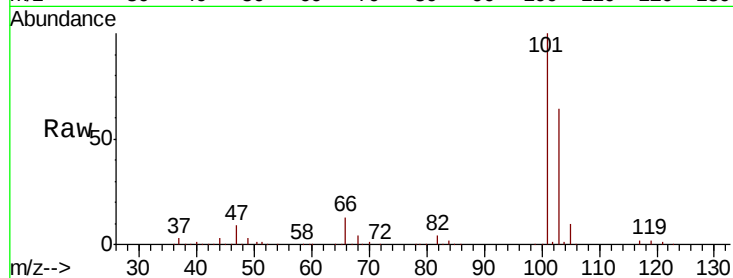


#7

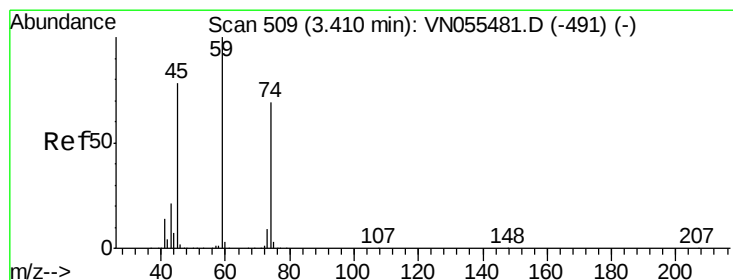
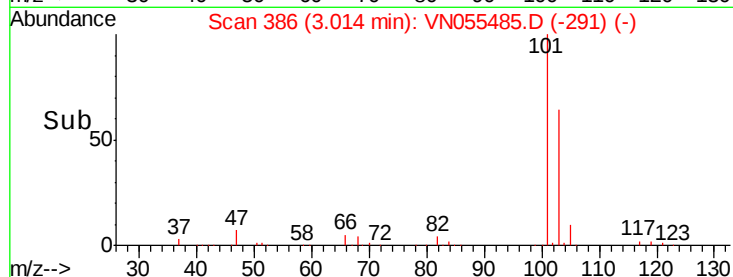
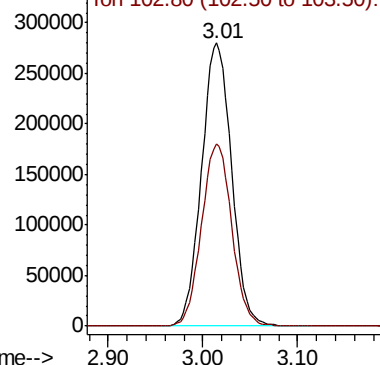
Trichlorofluoromethane
Concen: 48.724 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

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Tot Ion:101 Resp: 619314
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8



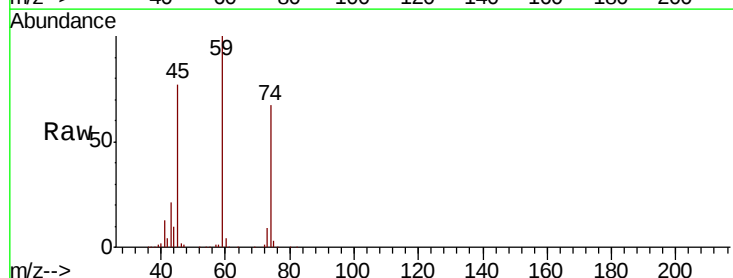
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



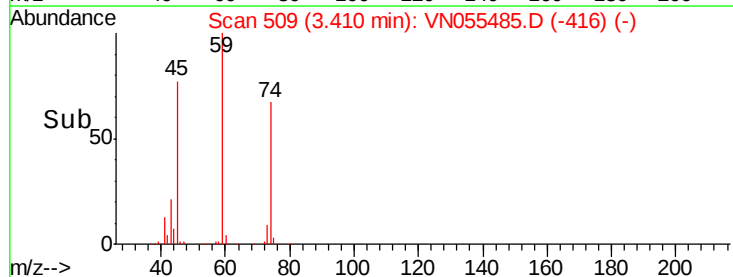
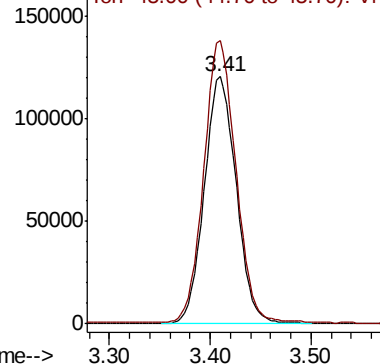
#8

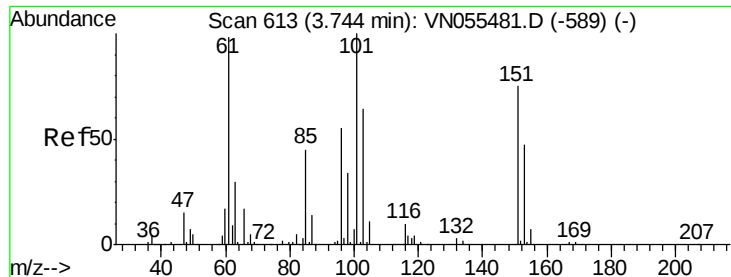
Diethyl Ether
Concen: 46.522 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 74 Resp: 265569
Ion Ratio Lower Upper
74 100
45 114.3 58.1 174.3



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.435 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

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VSTDCCC050

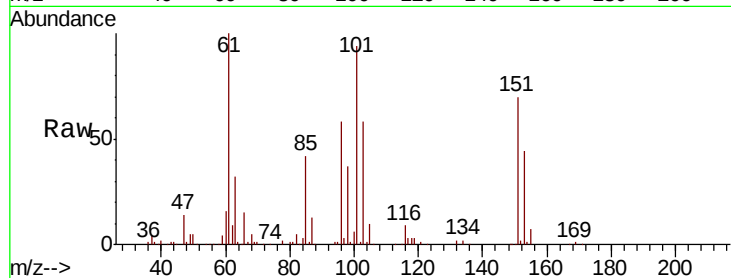
Tot Ion:101 Resp: 391689

Ion Ratio Lower Upper

101 100

85 44.7 35.5 53.3

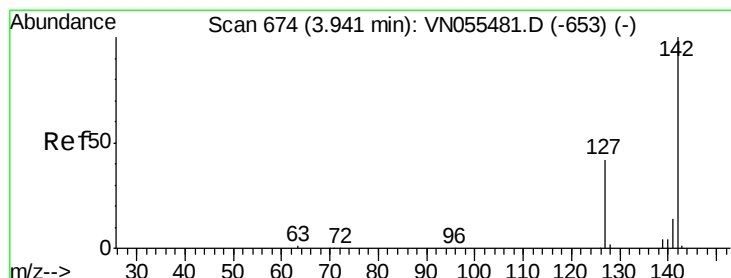
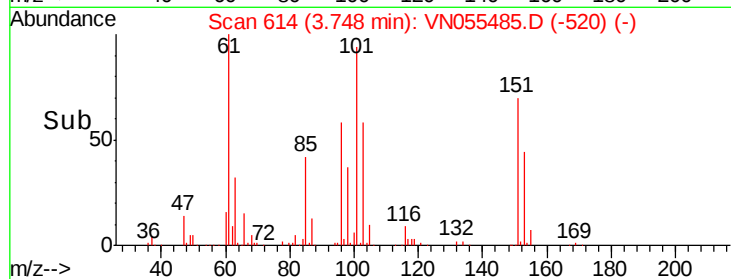
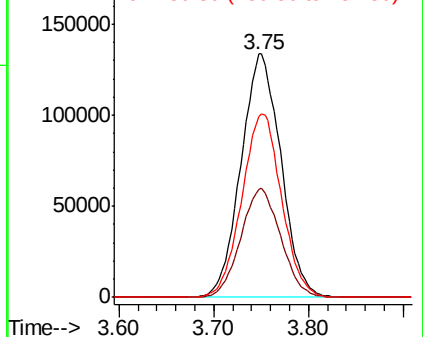
151 75.0 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.010 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

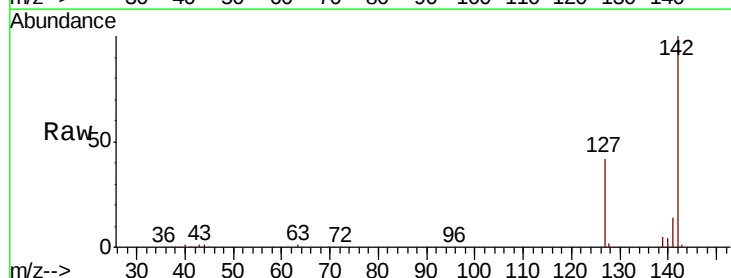
Tgt Ion:142 Resp: 546611

Ion Ratio Lower Upper

142 100

127 41.2 33.0 49.4

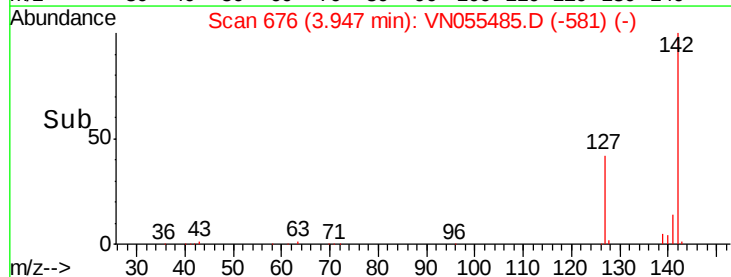
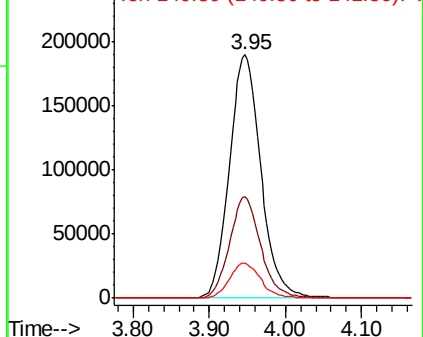
141 14.3 11.4 17.0

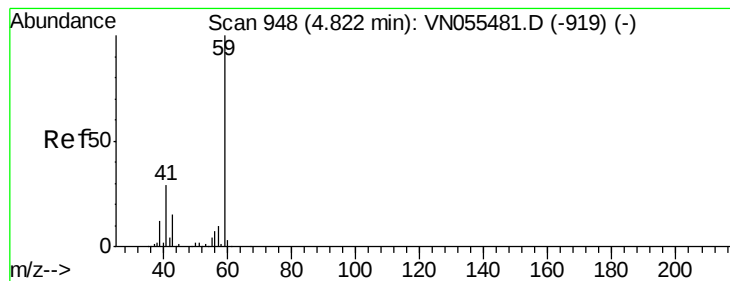


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



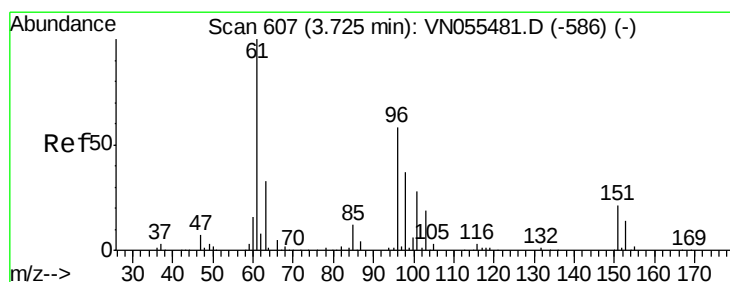
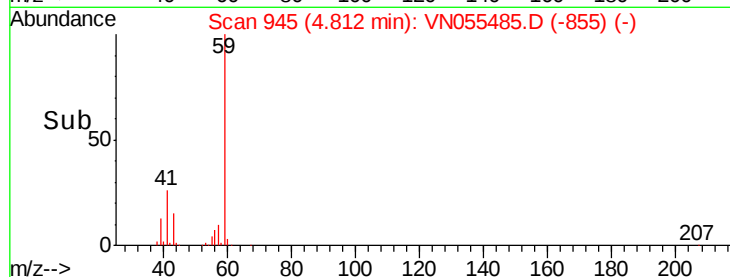
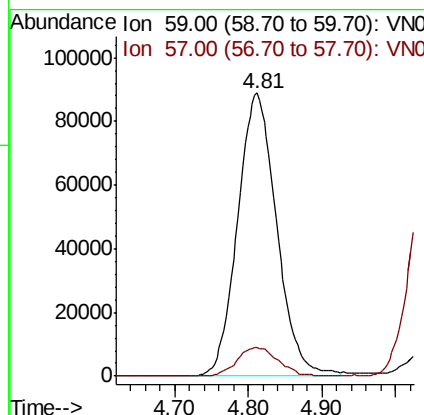
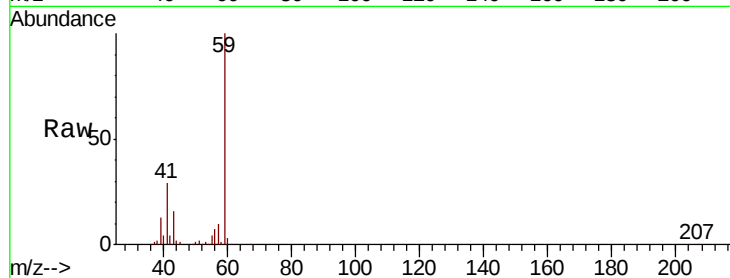


#11

Tert butyl alcohol
 Concen: 198.545 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

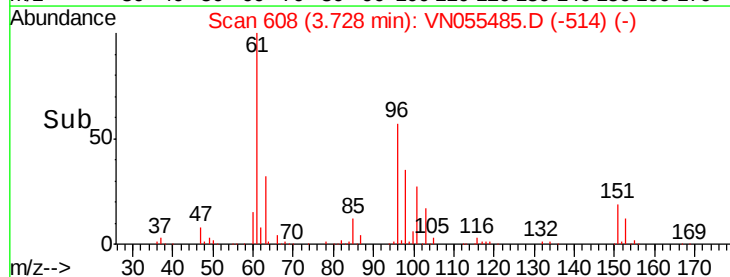
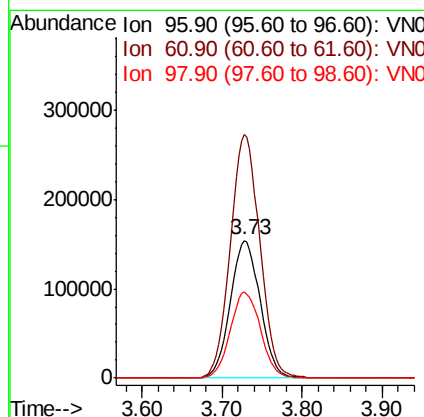
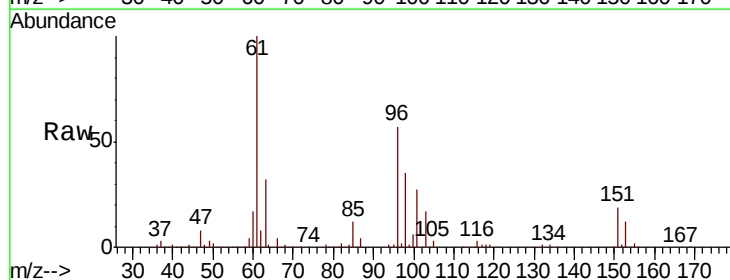
Tot Ion: 59 Resp: 327541
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.0 12.0

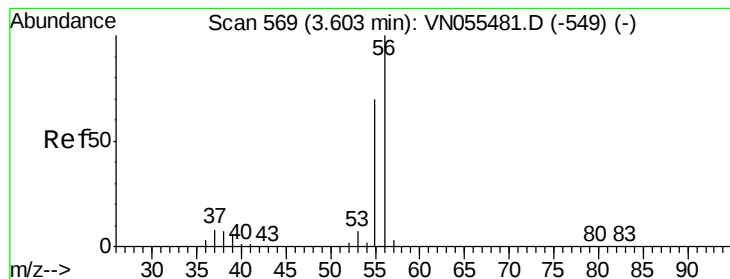


#12

1,1-Dichloroethene
 Concen: 48.267 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion: 96 Resp: 391458
 Ion Ratio Lower Upper
 96 100
 61 177.0 138.7 208.1
 98 62.3 50.6 76.0





#13

Acrolein

Concen: 243.780 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

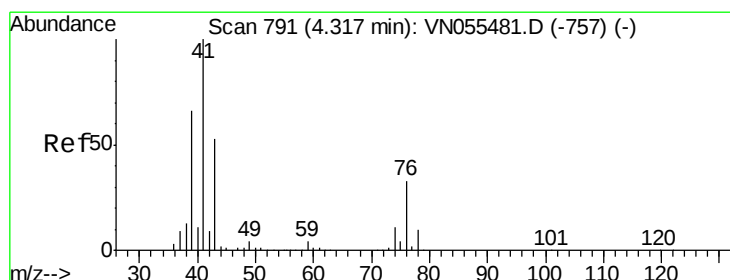
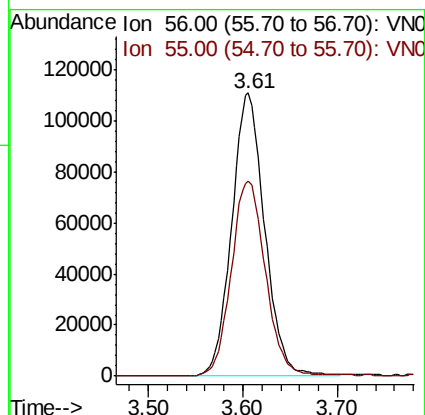
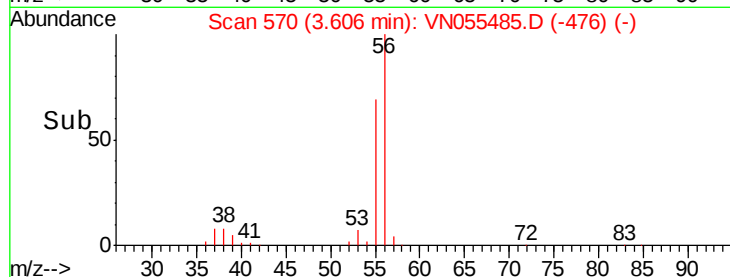
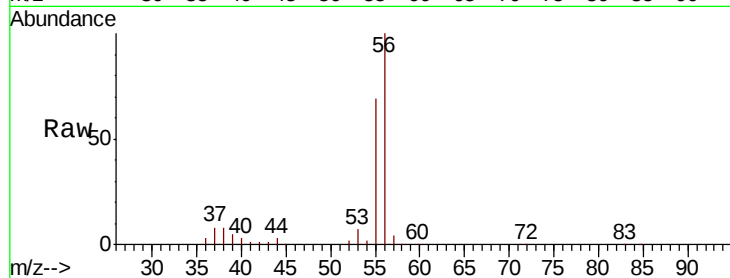
VSTDCCC050

Tot Ion: 56 Resp: 268029

Ion Ratio Lower Upper

56 100

55 71.2 57.7 86.5



#14

Allyl chloride

Concen: 46.611 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

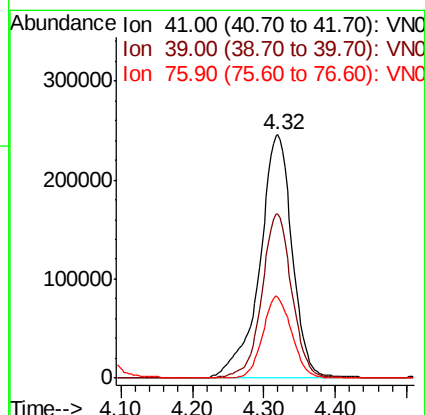
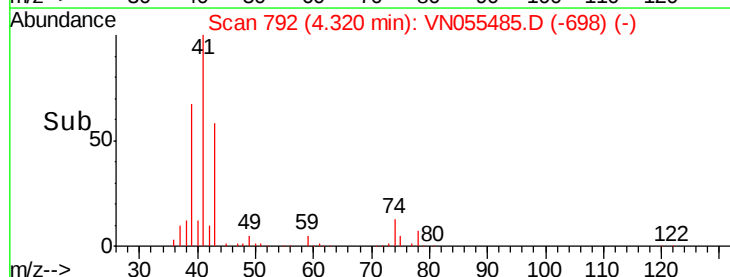
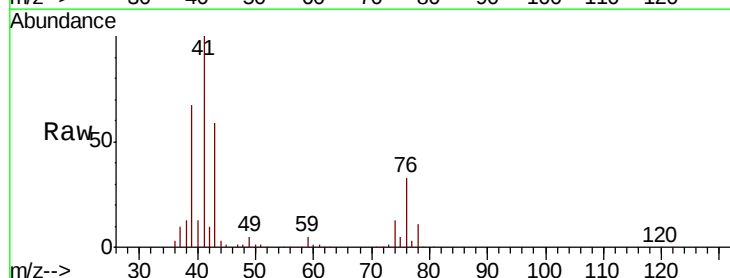
Tgt Ion: 41 Resp: 774381

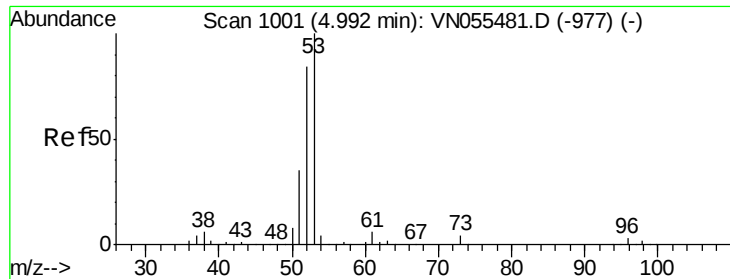
Ion Ratio Lower Upper

41 100

39 62.6 49.8 74.8

76 29.7 23.5 35.3





#15

Acrylonitrile

Concen: 222.639 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

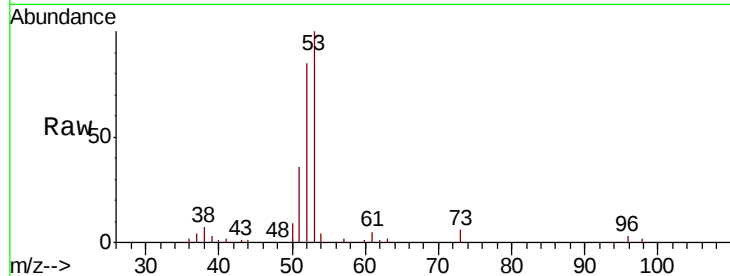
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1137299

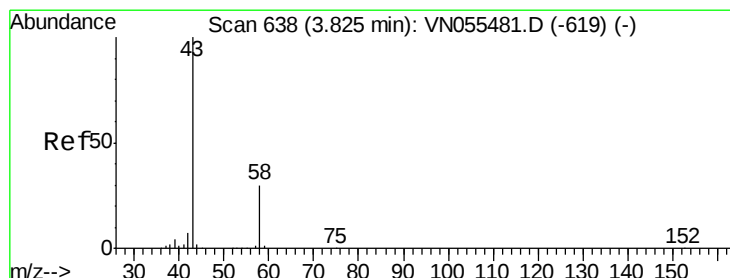
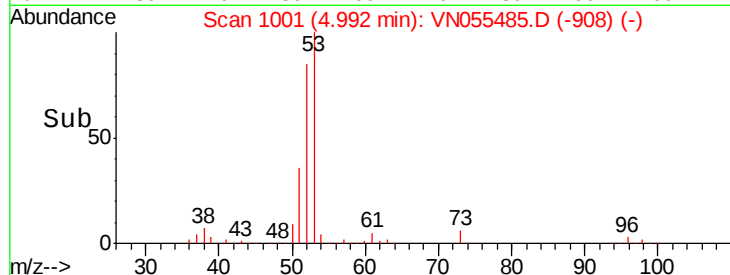
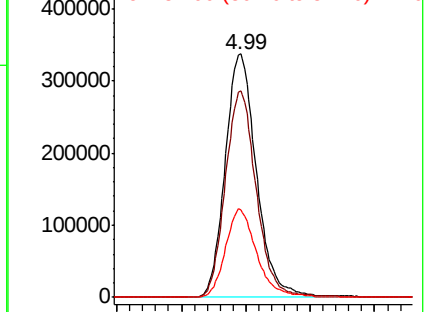
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.1	99.1
51	36.3	28.3	42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 238.275 ug/l

RT: 3.82 min Scan# 637

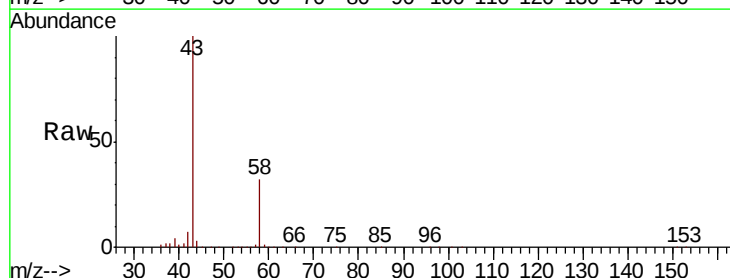
Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

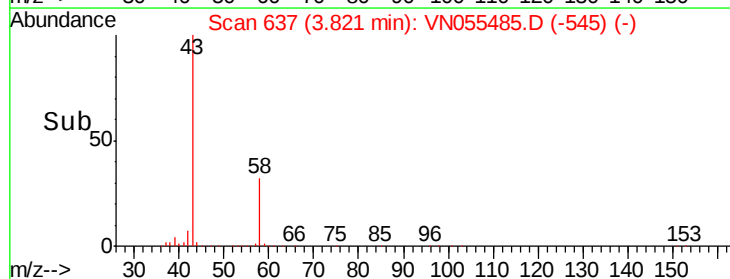
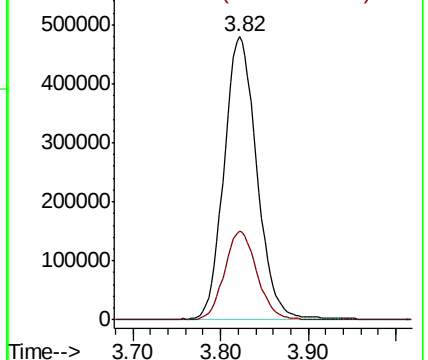
Tgt Ion: 43 Resp: 1232698

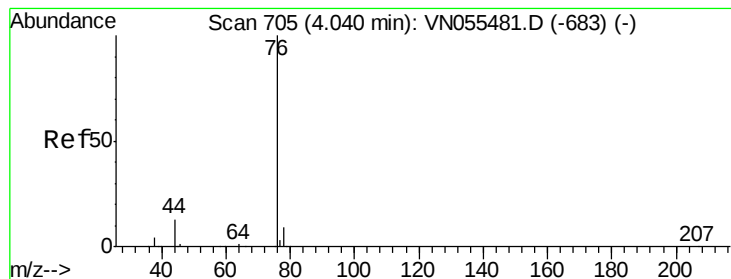
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.2	36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 49.608 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

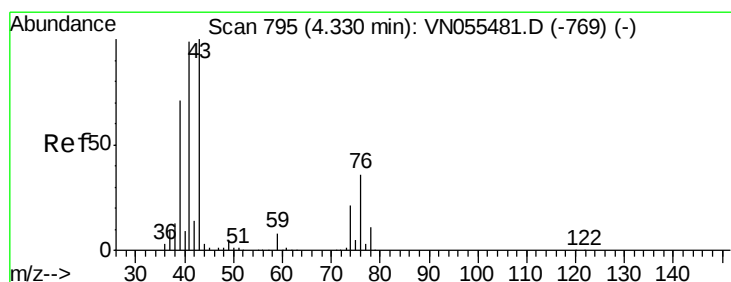
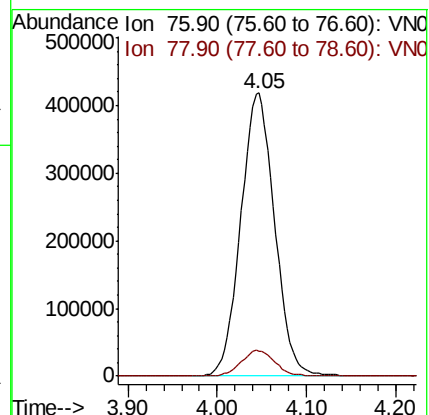
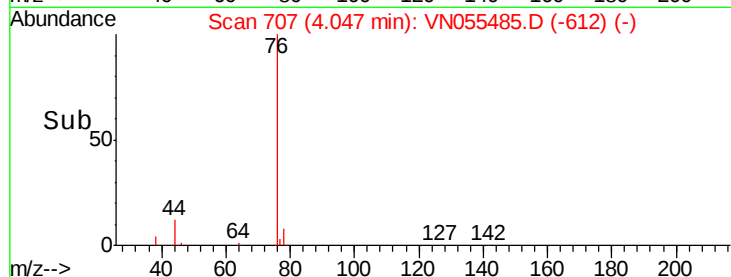
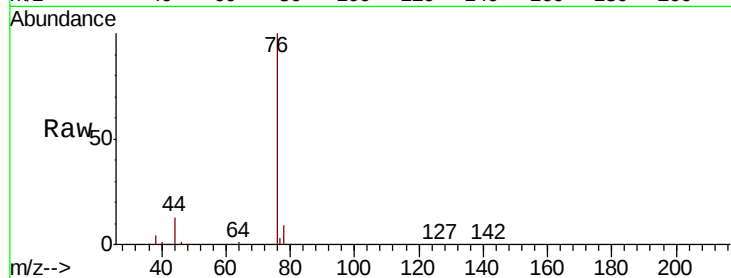
VSTDCCC050

Tot Ion: 76 Resp: 1098092

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



#18

Methyl Acetate

Concen: 42.780 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055485.D

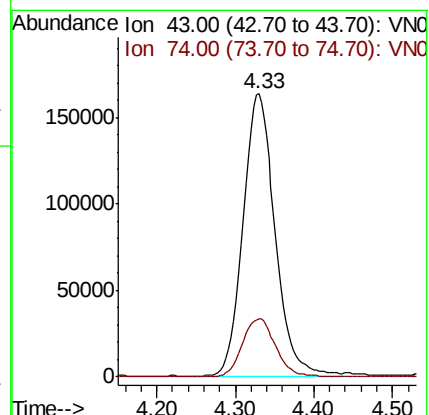
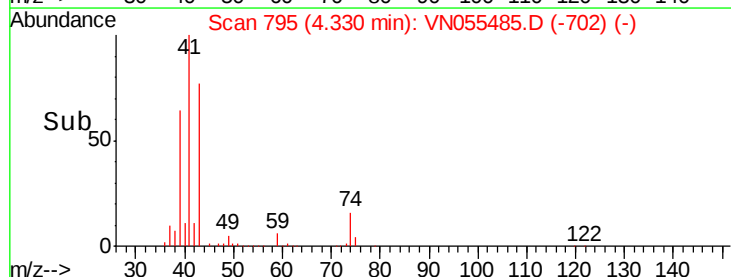
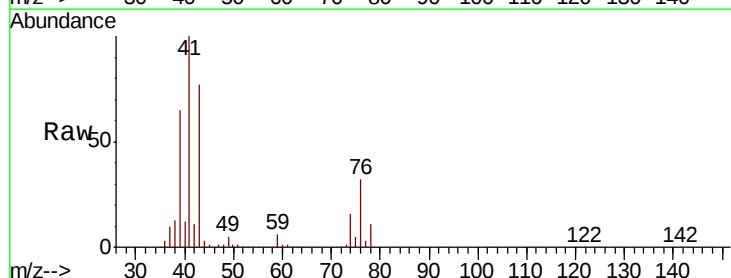
Acq: 9 May 2019 10:03

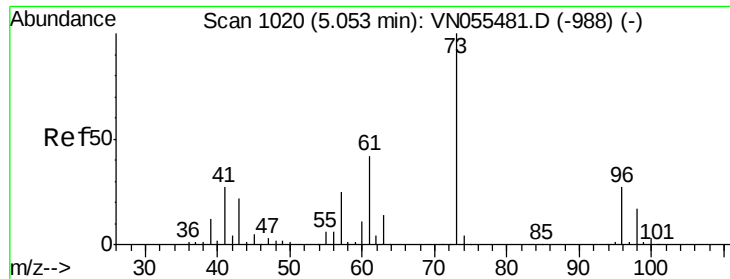
Tgt Ion: 43 Resp: 466171

Ion Ratio Lower Upper

43 100

74 21.5 16.3 24.5

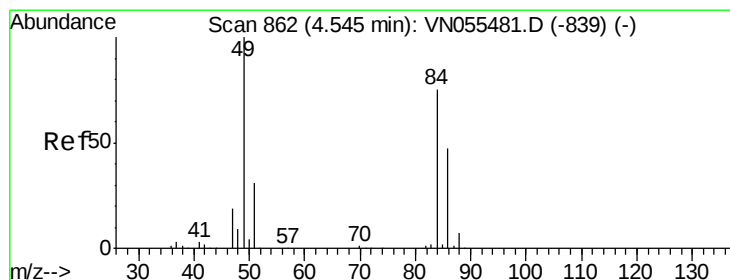
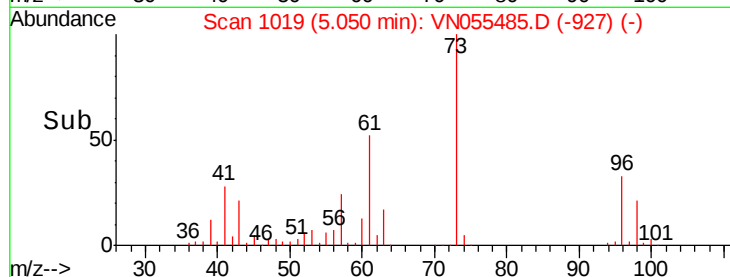
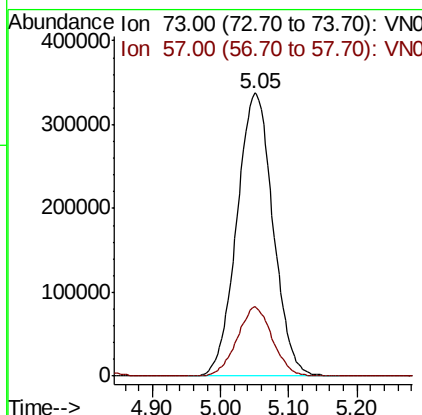
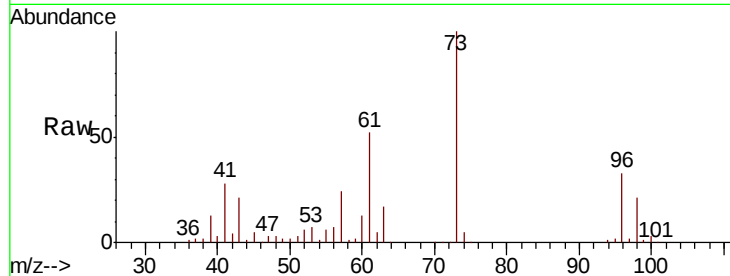




#19
Methvl tert-butvl Ether
Concen: 46.149 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

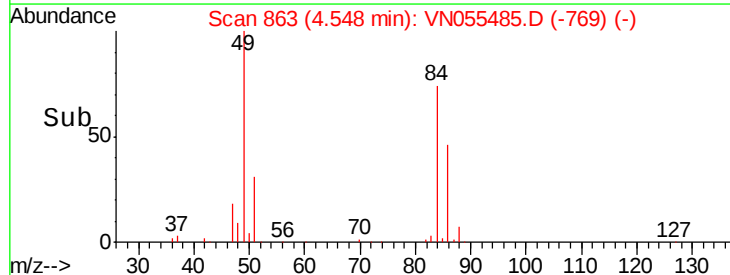
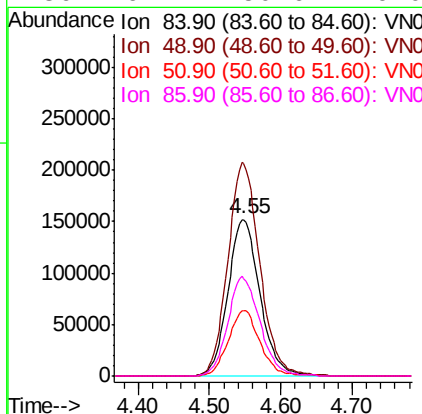
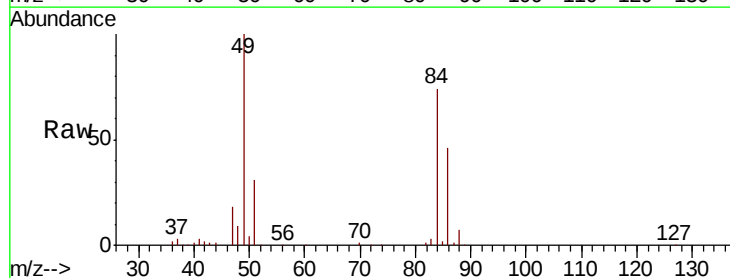
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

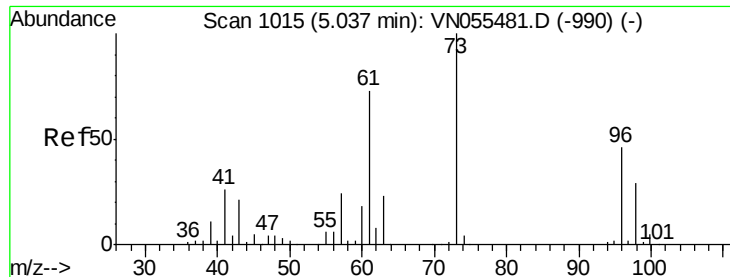
Tot Ion: 73 Resp: 1243683
Ion Ratio Lower Upper
73 100
57 24.3 20.0 30.0



#20
Methylene Chloride
Concen: 44.896 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 84 Resp: 474949
Ion Ratio Lower Upper
84 100
49 136.0 107.0 160.6
51 41.6 33.0 49.4
86 62.4 50.6 76.0

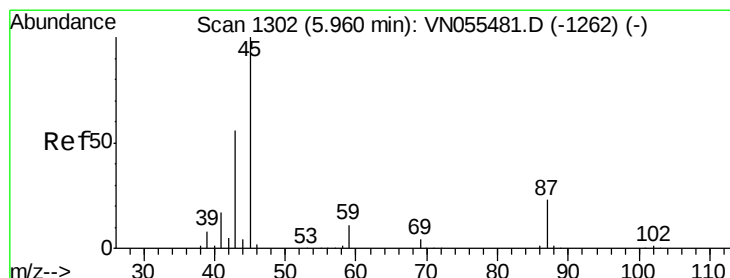
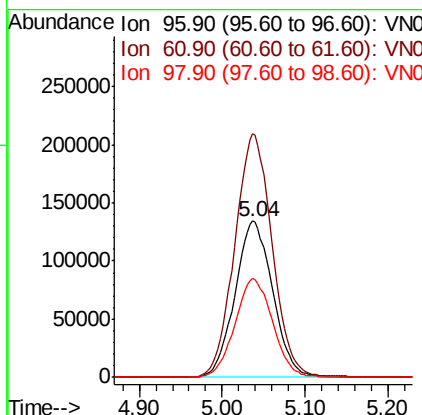
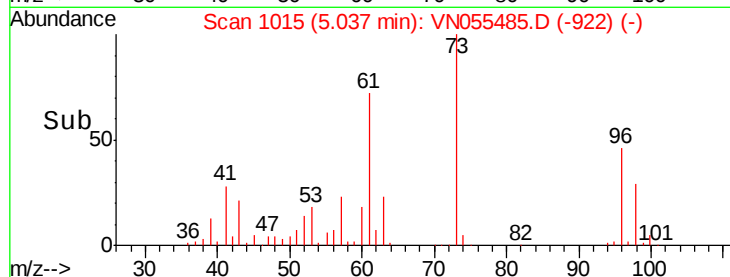
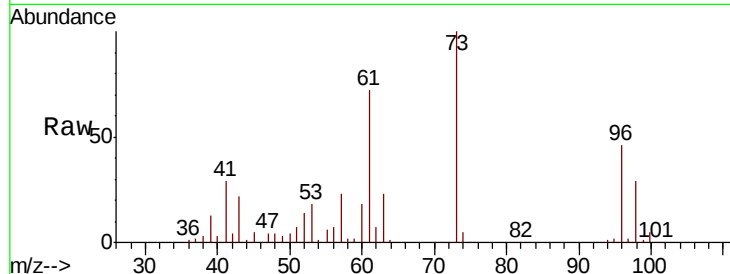




#21
trans-1,2-Dichloroethene
Concen: 48.300 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

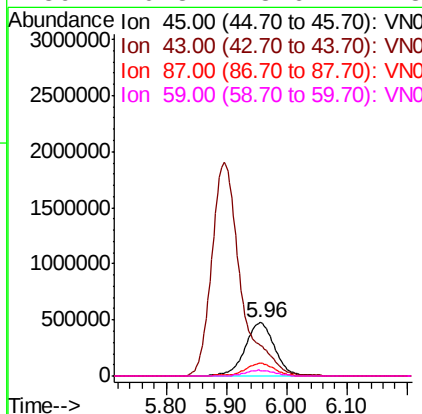
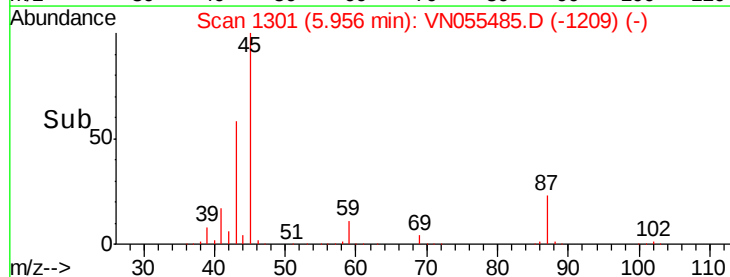
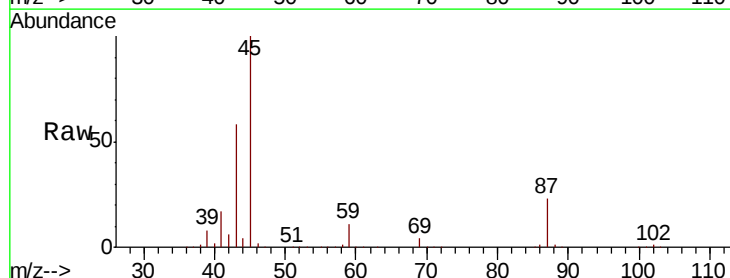
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

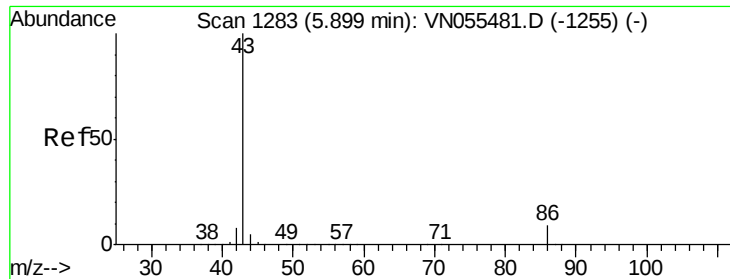
Tot Ion: 96 Resp: 424717
Ion Ratio Lower Upper
96 100
61 155.6 127.4 191.0
98 63.3 51.6 77.4



#22
Diisopropyl ether
Concen: 48.581 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 45 Resp: 1640136
Ion Ratio Lower Upper
45 100
43 56.6 44.6 66.8
87 23.4 18.6 28.0
59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 241.488 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

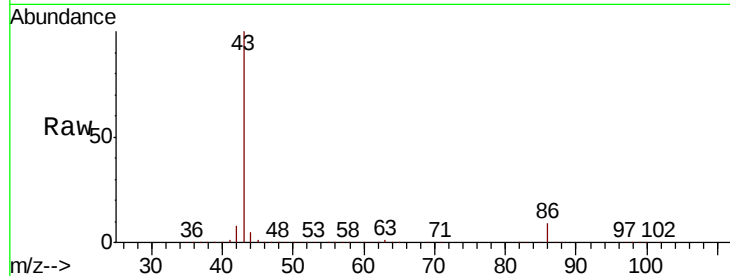
VSTDCCC050

Tot Ion: 43 Resp: 6305057

Ion Ratio Lower Upper

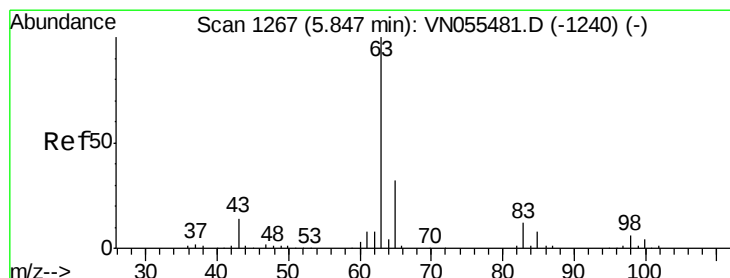
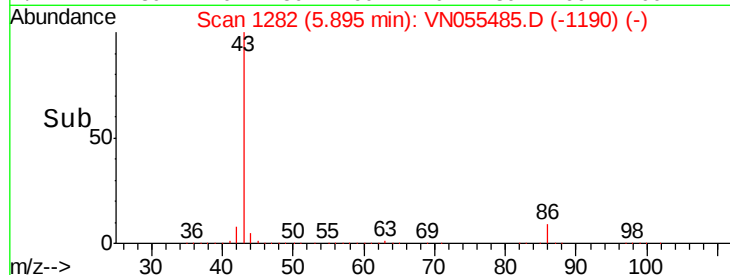
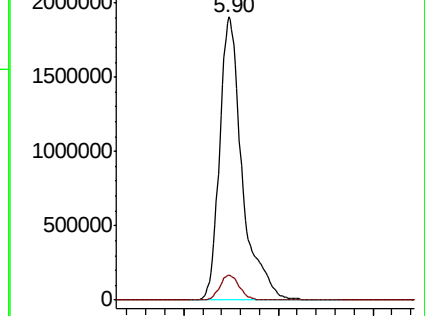
43 100

86 9.0 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.799 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

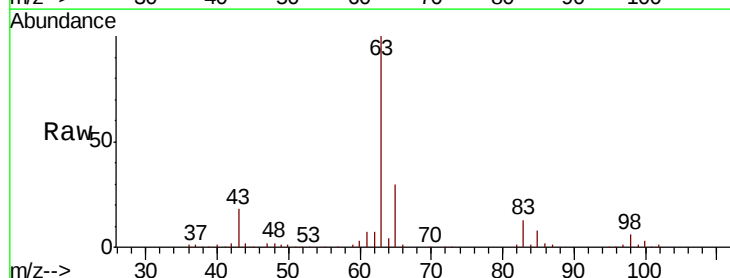
Tgt Ion: 63 Resp: 852902

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

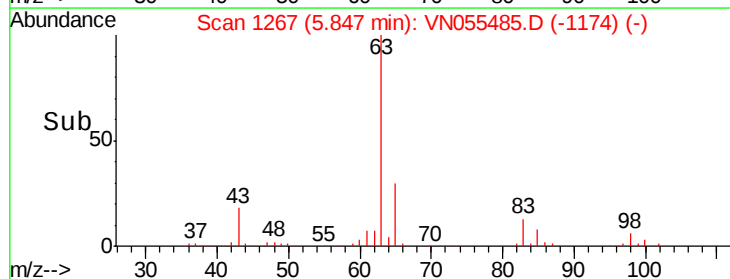
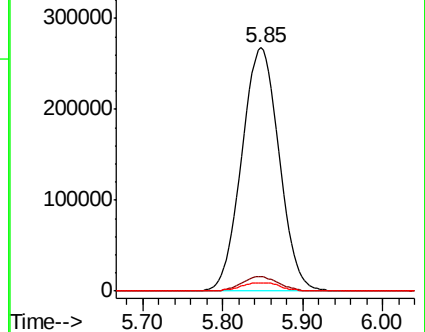
100 3.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

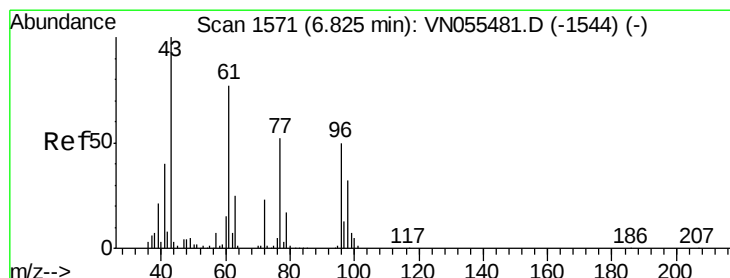
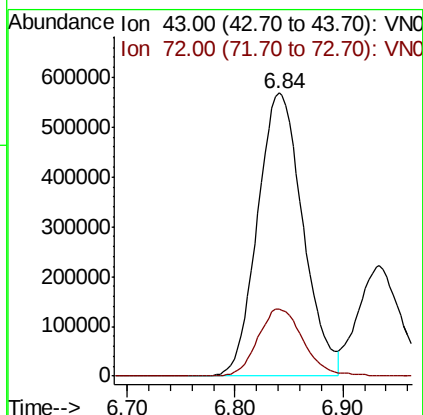
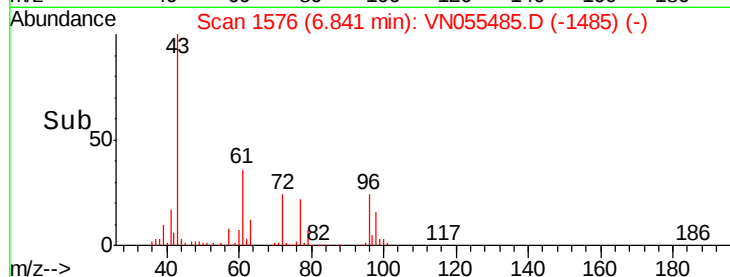
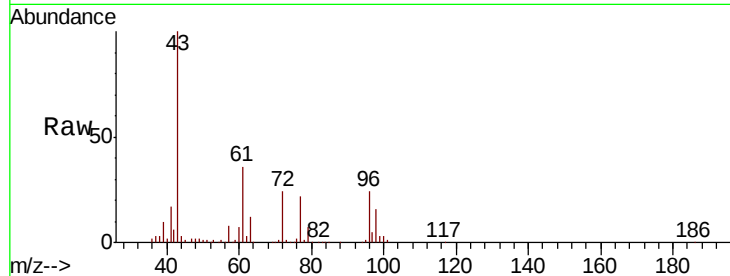




#25
2-Butanone
Concen: 231.275 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

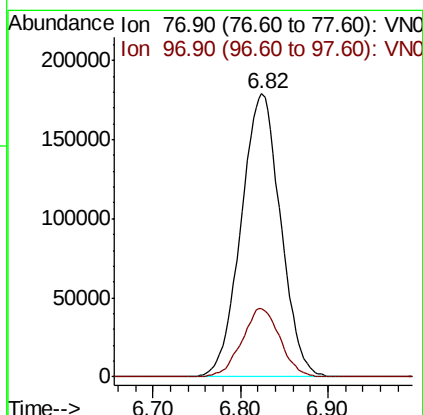
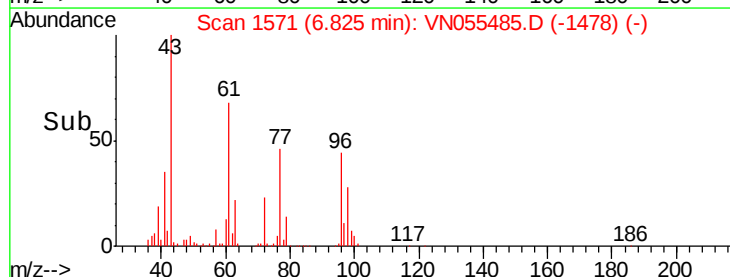
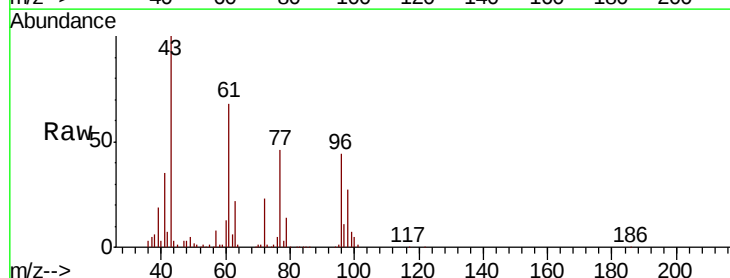
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

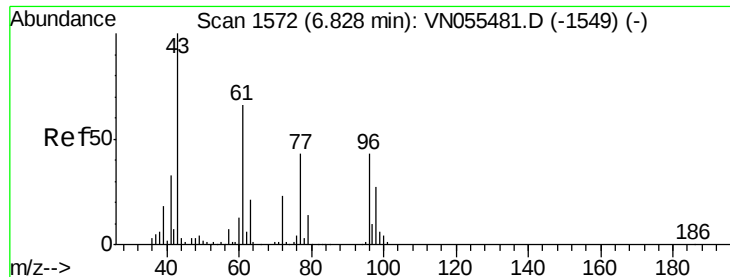
Tot Ion: 43 Resp: 1652801
Ion Ratio Lower Upper
43 100
72 23.9 18.6 27.8



#26
2,2-Dichloropropane
Concen: 49.267 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 77 Resp: 559727
Ion Ratio Lower Upper
77 100
97 23.3 11.5 34.5

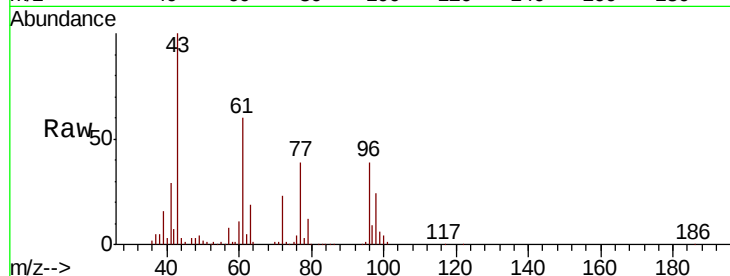




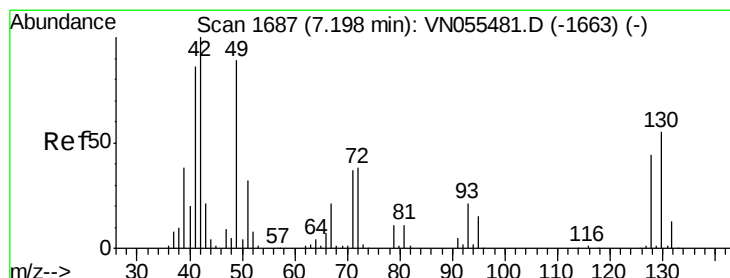
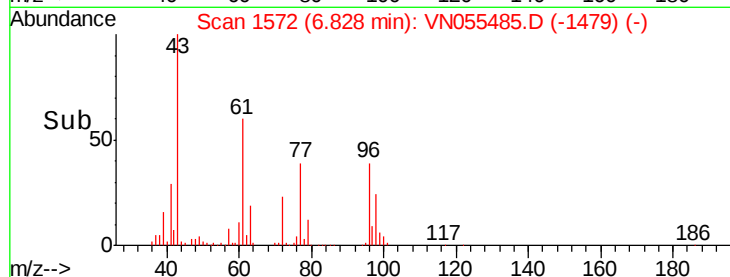
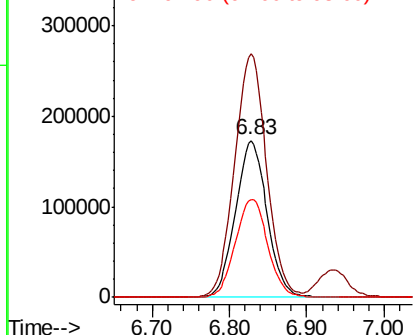
#27
 cis-1,2-Dichloroethene
 Concen: 48.150 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 489323
 Ion Ratio Lower Upper
 96 100
 61 157.4 0.0 310.8
 98 64.5 0.0 129.4

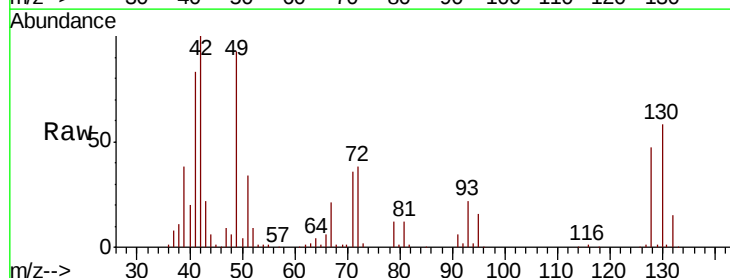


Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO

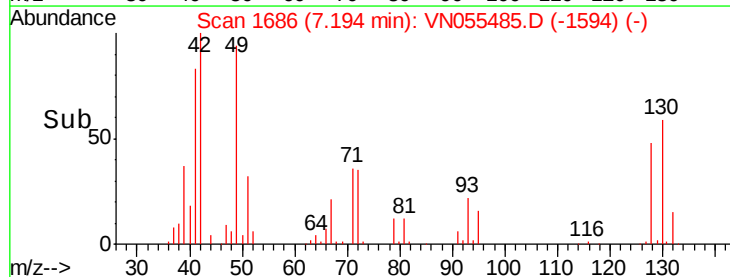
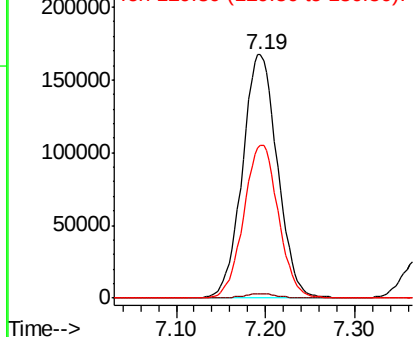


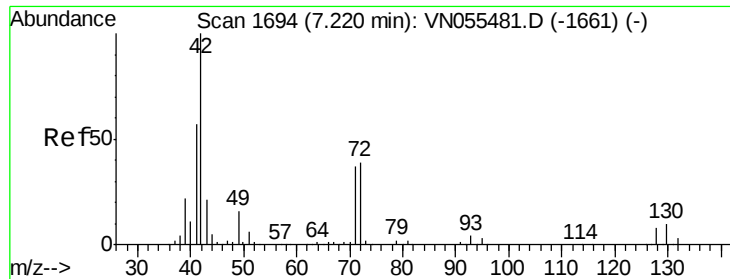
#28
 Bromochloromethane
 Concen: 48.408 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion: 49 Resp: 458152
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.2
 130 62.3 49.5 74.3



Abundance Ion 48.90 (48.60 to 49.60): VNO
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

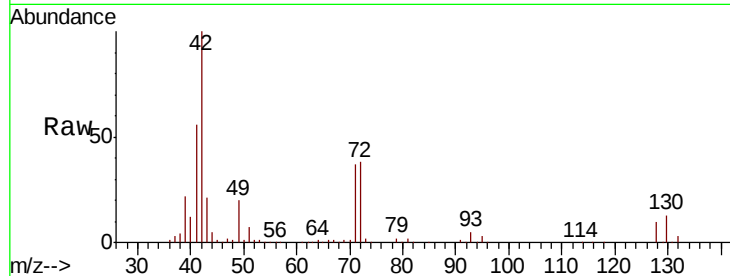




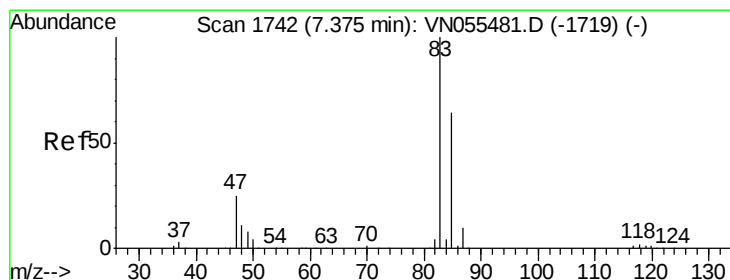
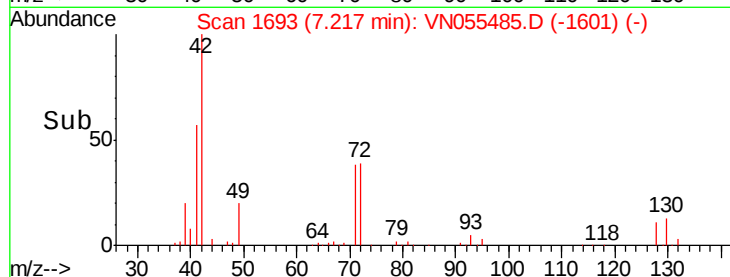
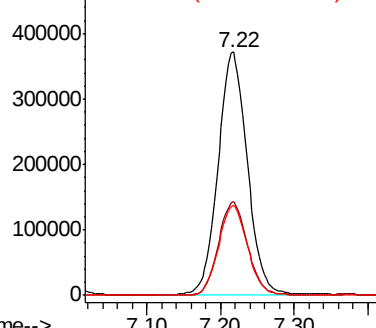
#29
Tetrahydrofuran
Concen: 217.702 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 1028511
Ion Ratio Lower Upper
42 100
72 38.3 31.0 46.6
71 36.7 29.4 44.2

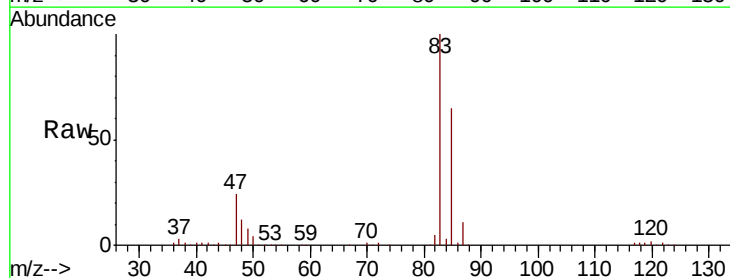


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

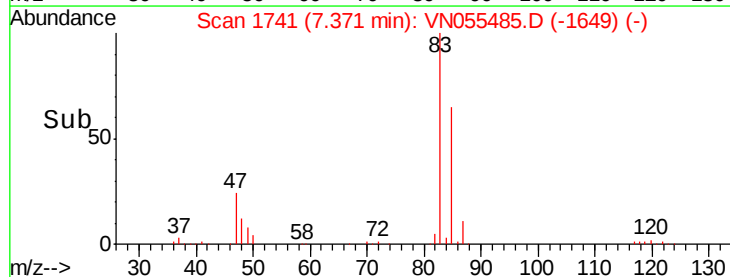
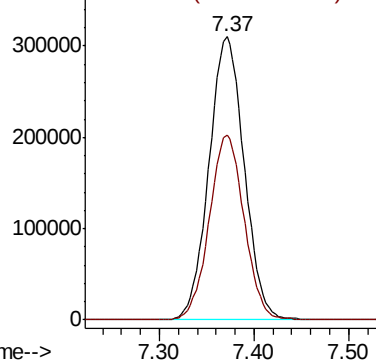


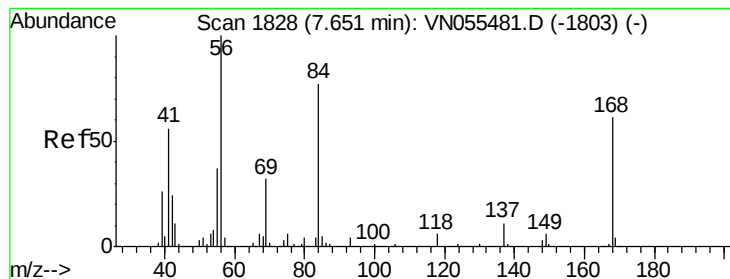
#30
Chloroform
Concen: 47.671 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 83 Resp: 803146
Ion Ratio Lower Upper
83 100
85 65.4 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.513 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

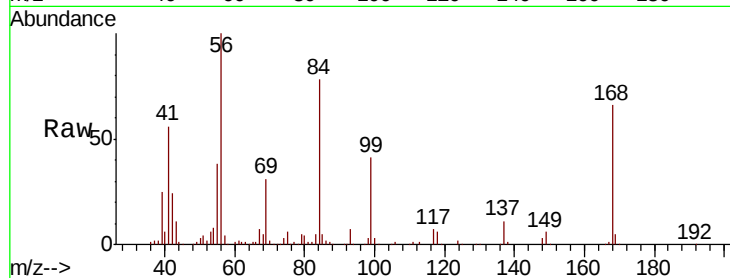
Tot Ion: 56 Resp: 838718

Ion Ratio Lower Upper

56 100

69 31.4 26.0 39.0

84 76.6 61.9 92.9

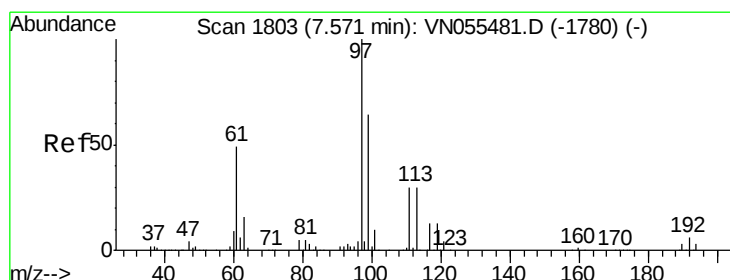
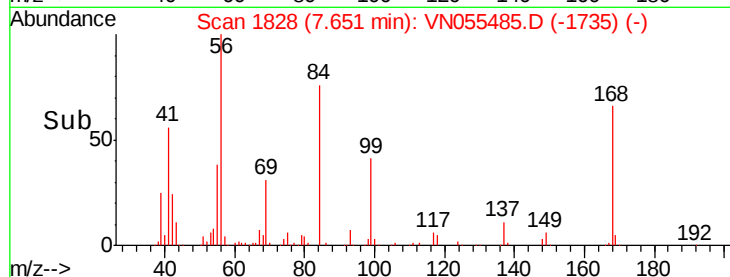
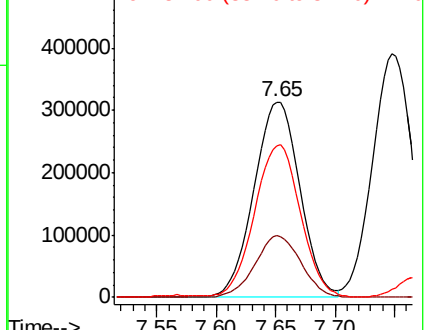


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.537 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

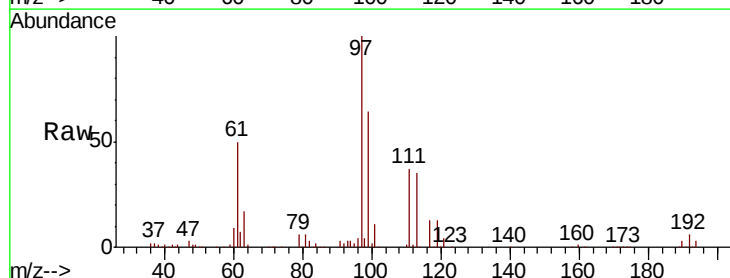
Tgt Ion: 97 Resp: 622731

Ion Ratio Lower Upper

97 100

99 63.6 51.2 76.8

61 49.2 39.2 58.8

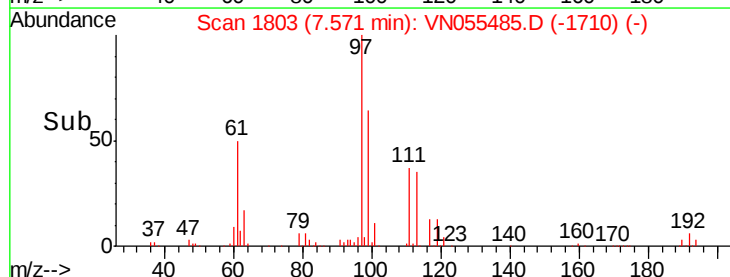
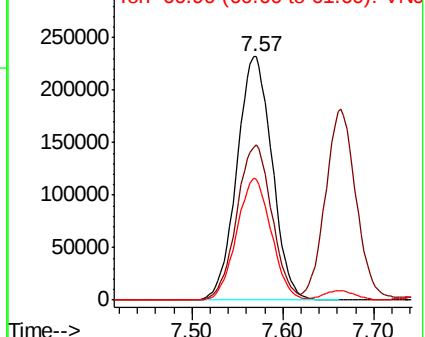


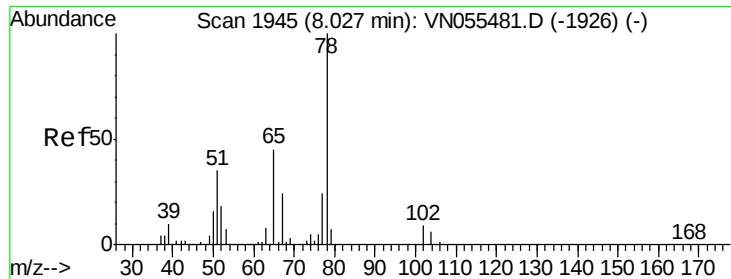
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

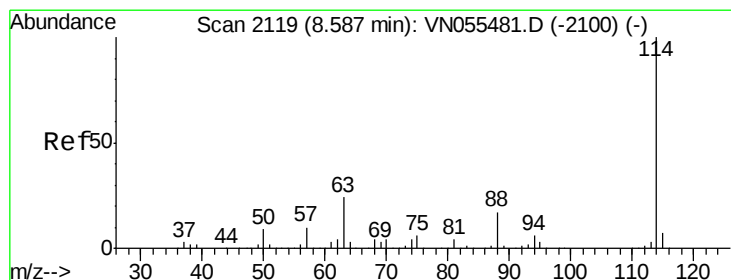
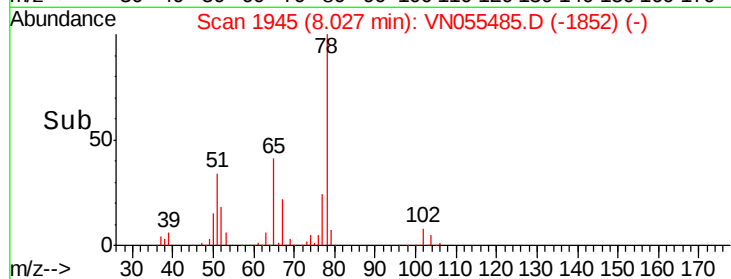
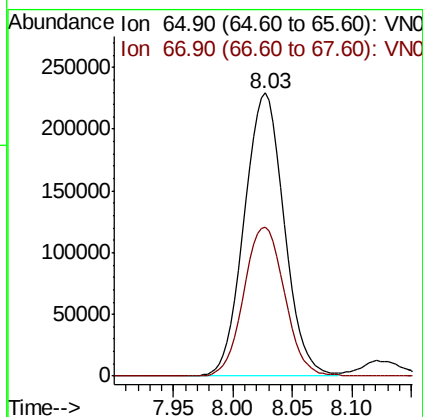
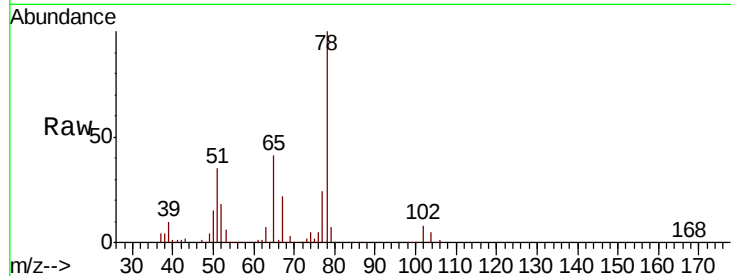




#33
 1,2-Dichloroethane-d4
 Concen: 47.789 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

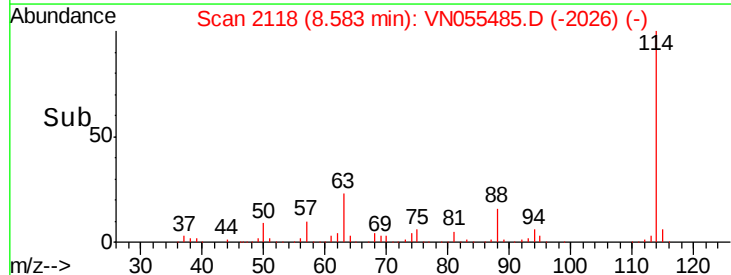
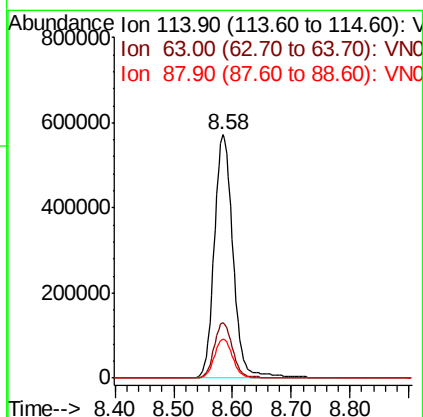
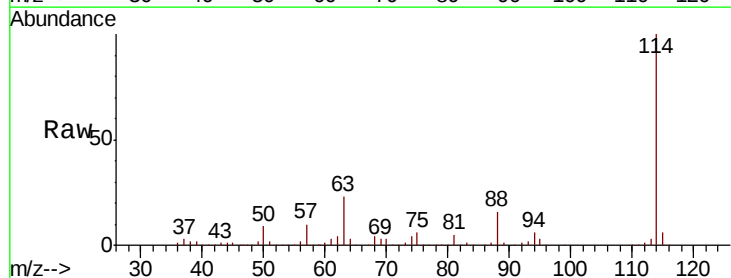
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

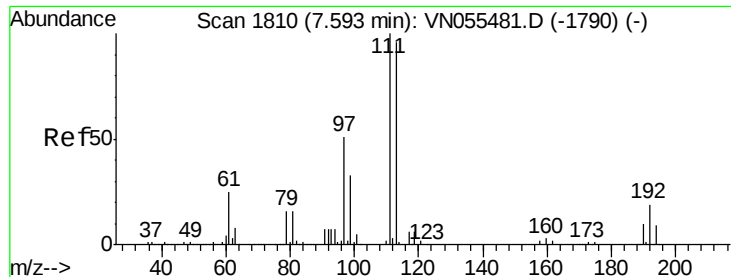
Tot Ion: 65 Resp: 533950
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion: 114 Resp: 1260772
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.1 0.0 34.0

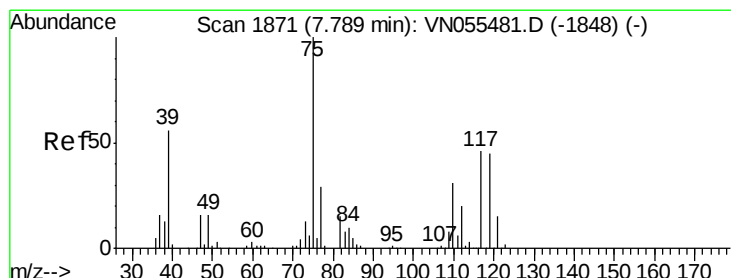
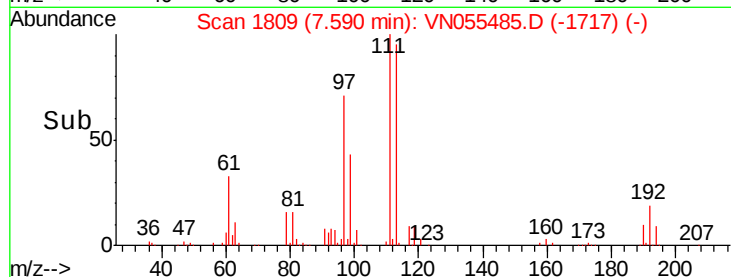
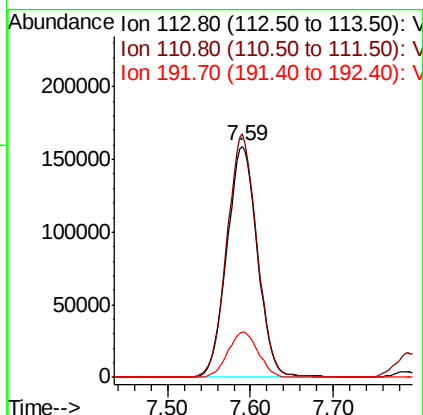
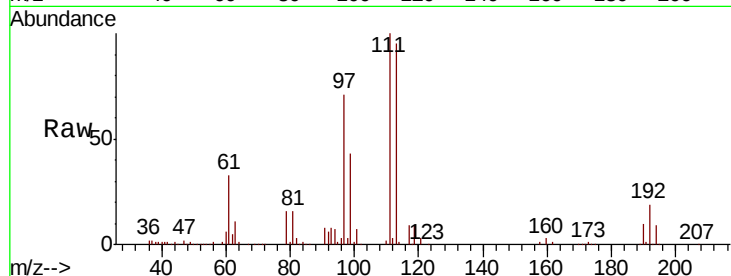




#35
 Dibromofluoromethane
 Concen: 50.068 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

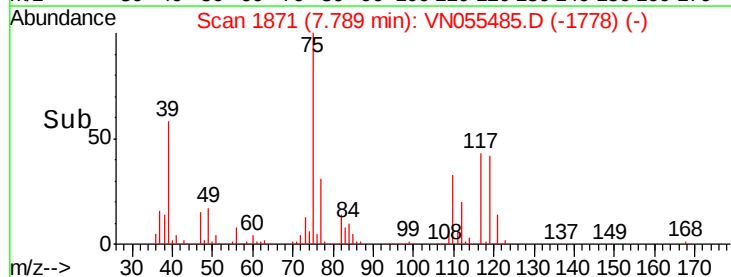
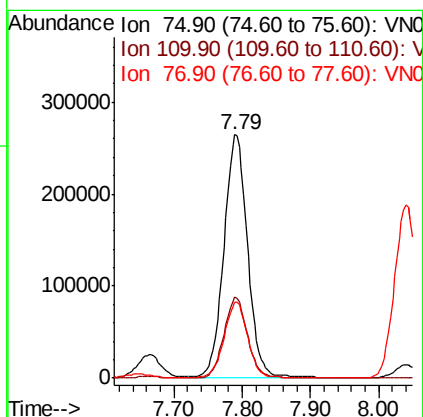
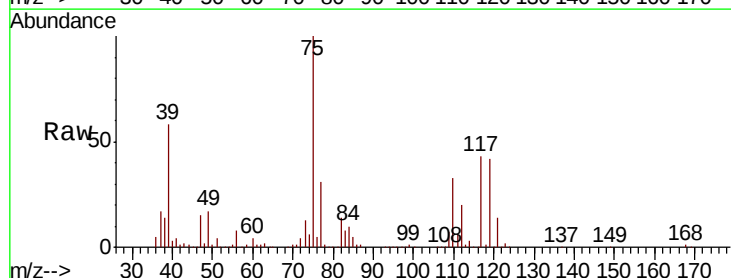
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	19.5	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 51.433 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.1	48.3
77	31.5	24.6	37.0

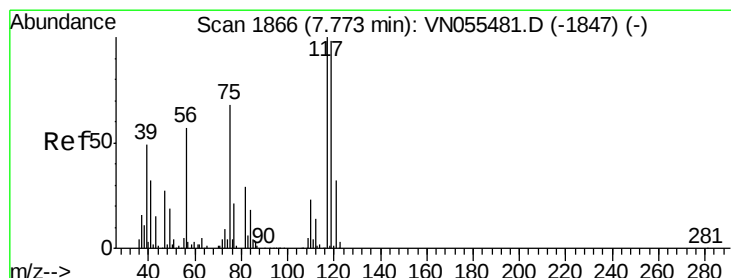
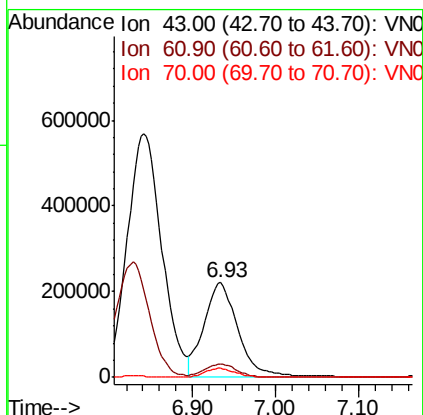
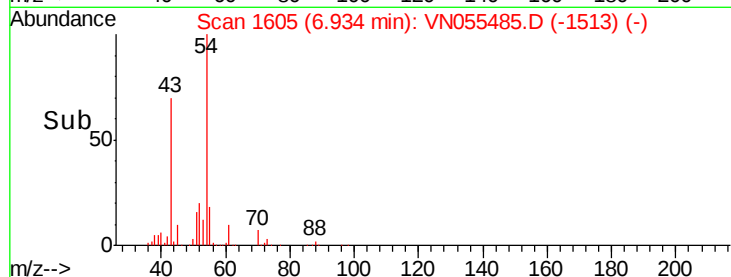
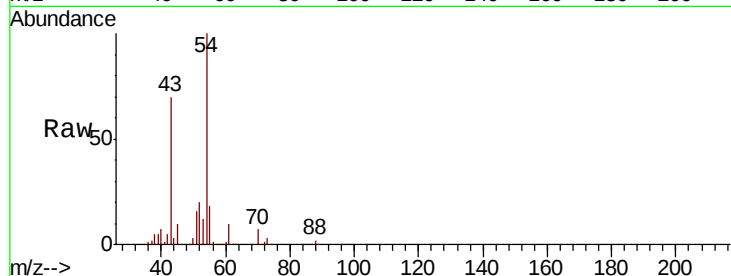




#37
Ethyl Acetate
Concen: 46.229 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

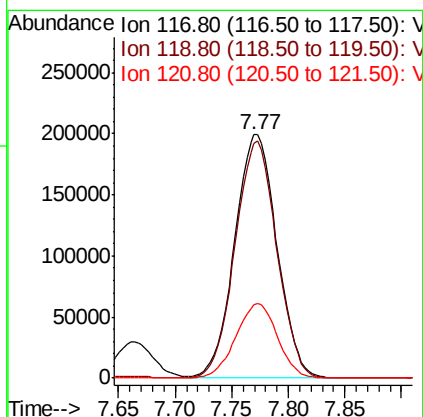
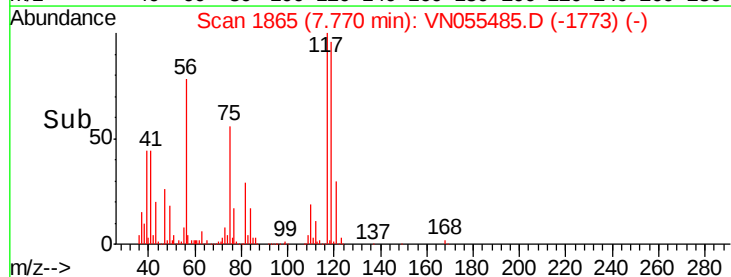
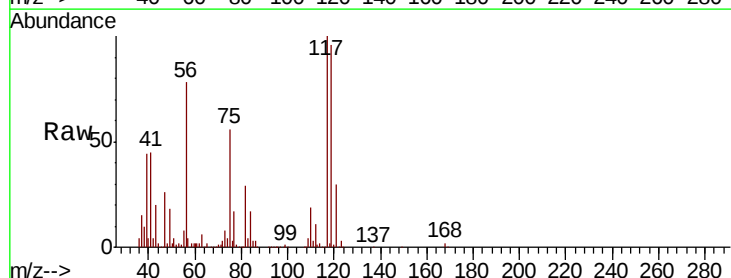
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

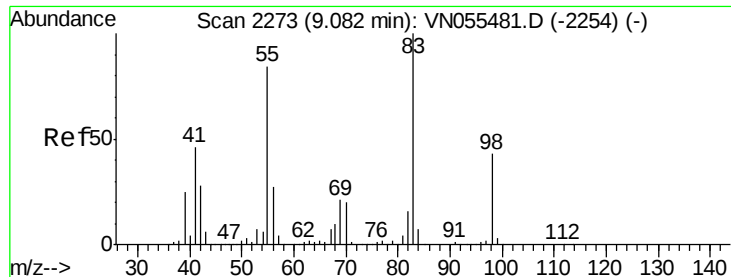
Tot Ion: 43 Resp: 626352
Ion Ratio Lower Upper
43 100
61 13.0 10.9 16.3
70 8.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 49.312 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 117 Resp: 515746
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.6
121 30.0 25.2 37.8

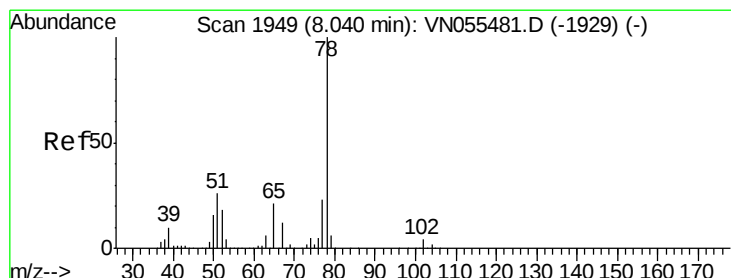
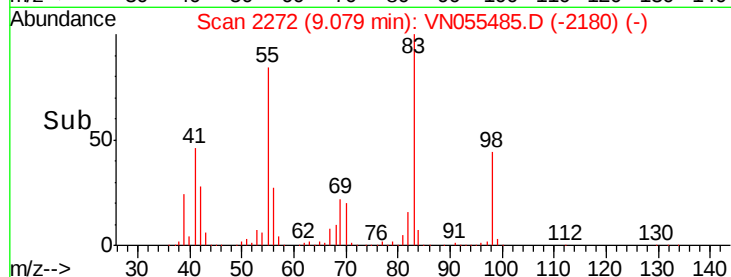
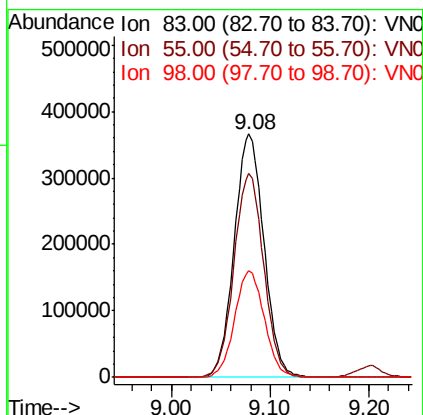
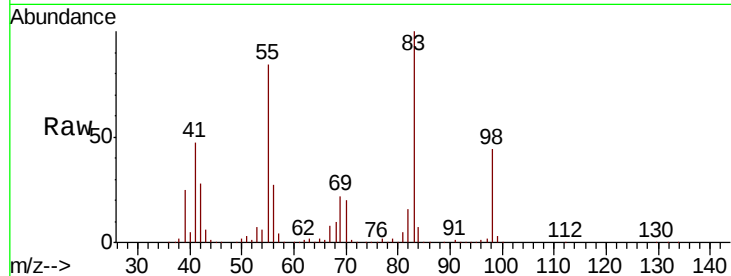




#39
Methvlcvclohexane
Concen: 50.625 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

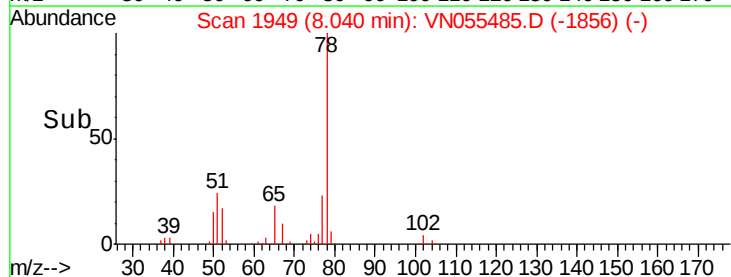
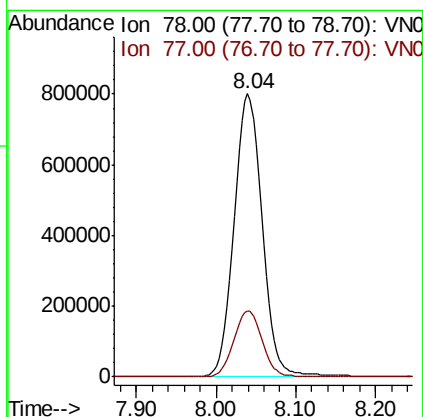
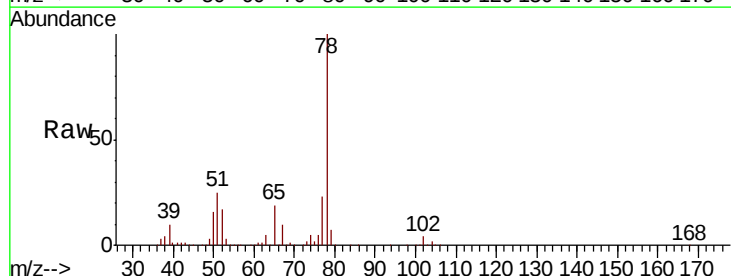
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

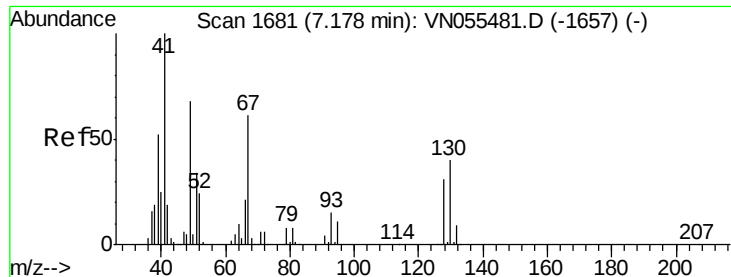
Tot Ion: 83 Resp: 766676
Ion Ratio Lower Upper
83 100
55 83.9 67.0 100.4
98 43.7 34.2 51.4



#40
Benzene
Concen: 49.224 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 78 Resp: 1897529
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8

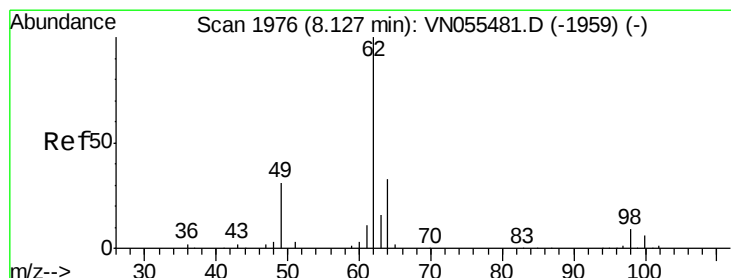
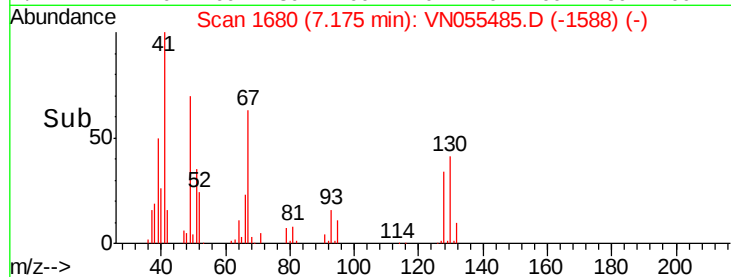
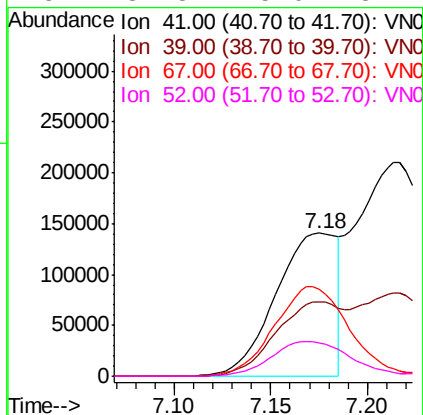
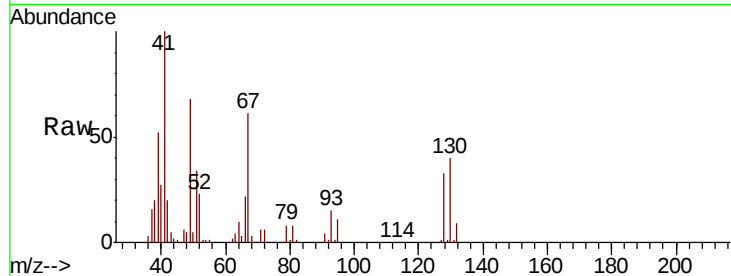




#41
Methacrylonitrile
Concen: 49.128 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

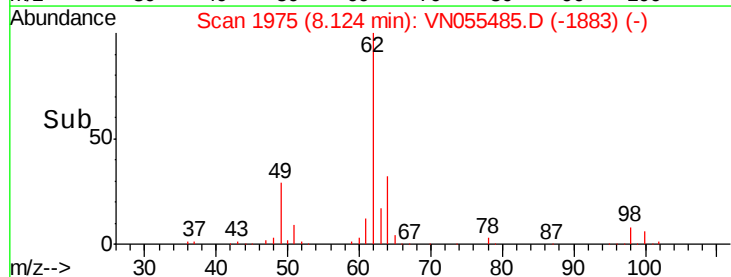
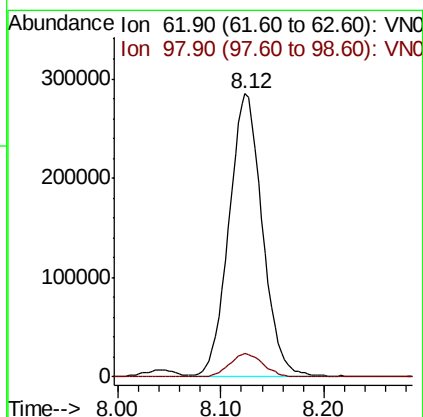
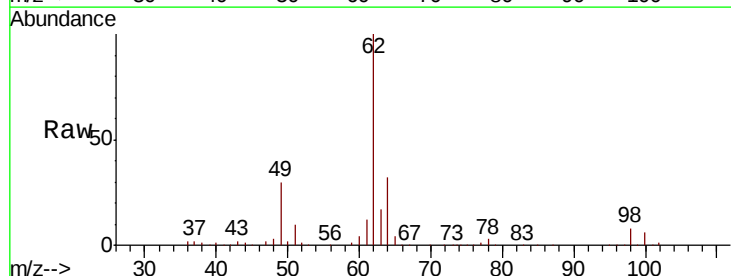
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

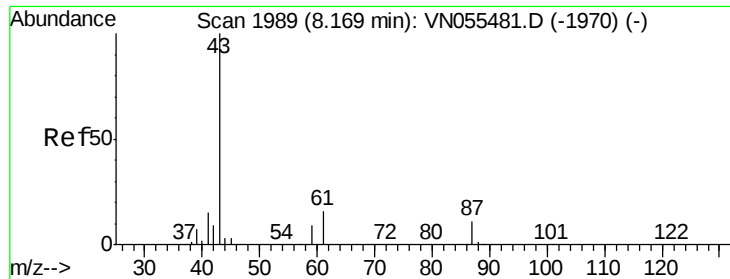
Tot Ion:	41	Resp:	308944
Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.7	67.1
67	77.6	61.4	92.0
52	31.8	25.0	37.4



#42
1,2-Dichloroethane
Concen: 47.304 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion:	62	Resp:	640657
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 47.127 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

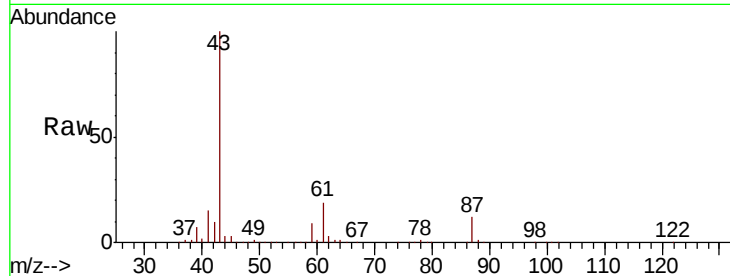
Tot Ion: 43 Resp: 970070

Ion Ratio Lower Upper

43 100

61 19.9 15.1 22.7

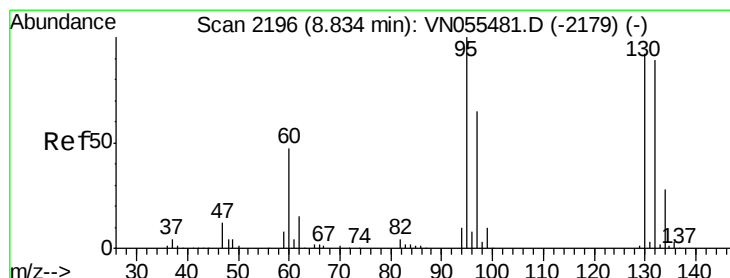
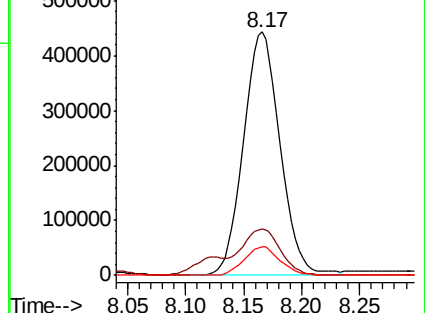
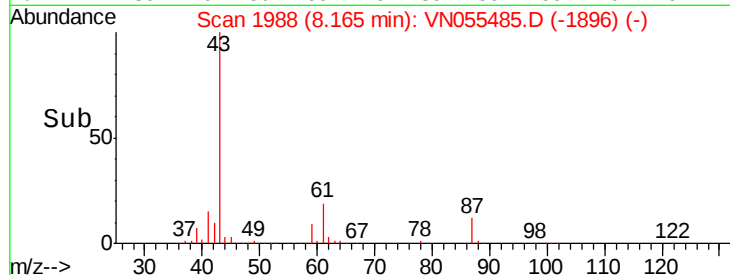
87 11.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055485.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN055485.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN055485.D (-1896) (-)



#44

Trichloroethene

Concen: 49.410 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055485.D

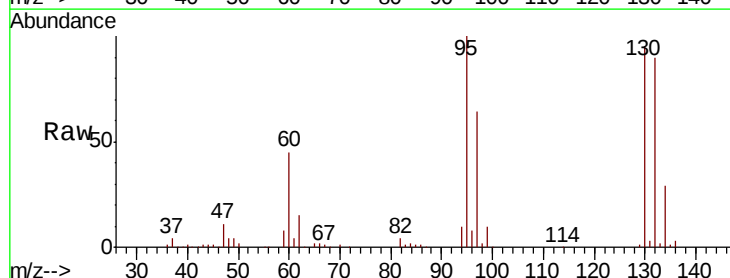
Acq: 9 May 2019 10:03

Tgt Ion: 130 Resp: 453207

Ion Ratio Lower Upper

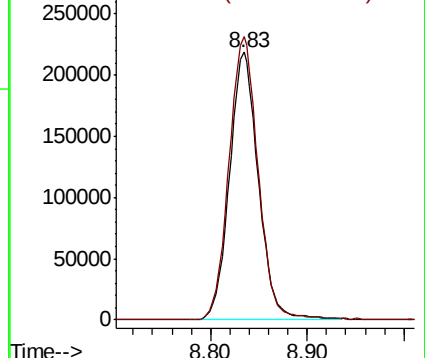
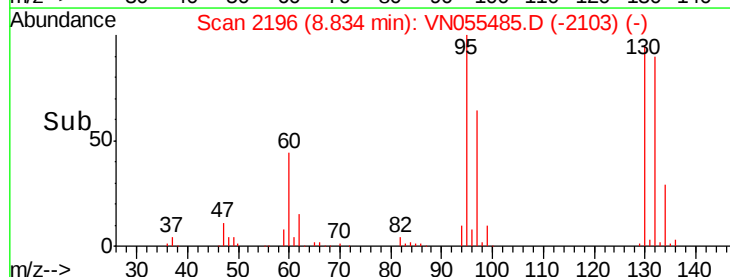
130 100

95 105.7 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055485.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055485.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 48.208 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

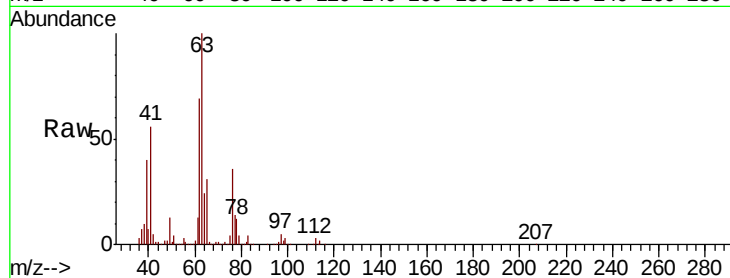
VSTDCCC050

Tot Ion: 63 Resp: 531726

Ion Ratio Lower Upper

63 100

65 31.3 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

250000

200000

150000

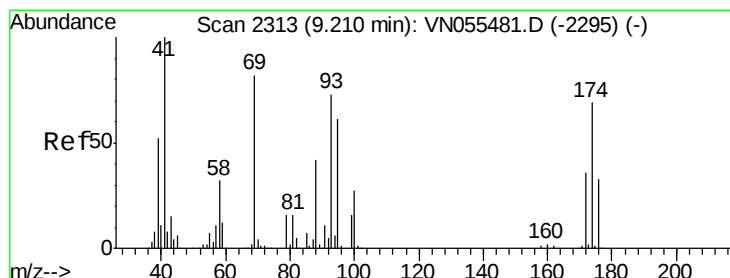
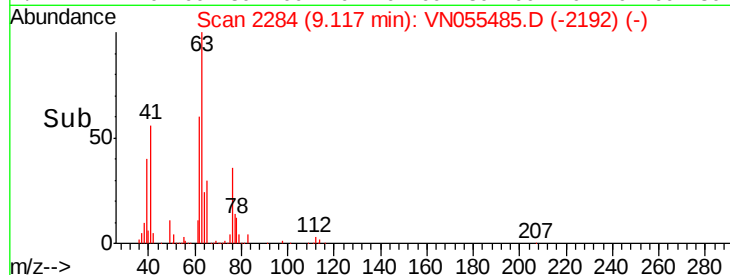
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 48.188 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

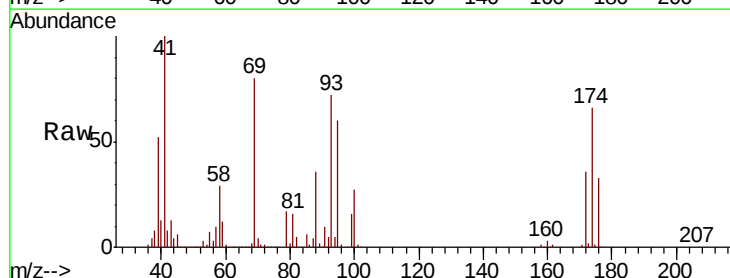
Tgt Ion: 93 Resp: 308079

Ion Ratio Lower Upper

93 100

95 82.4 64.8 97.2

174 93.9 75.0 112.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

150000

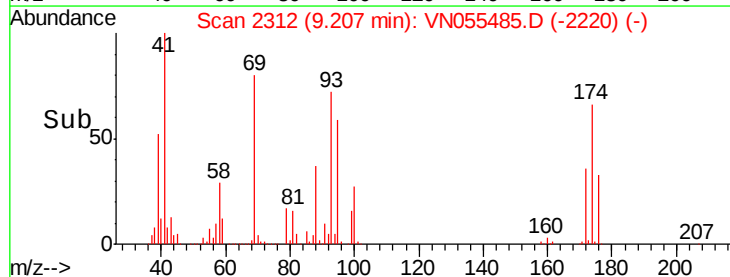
100000

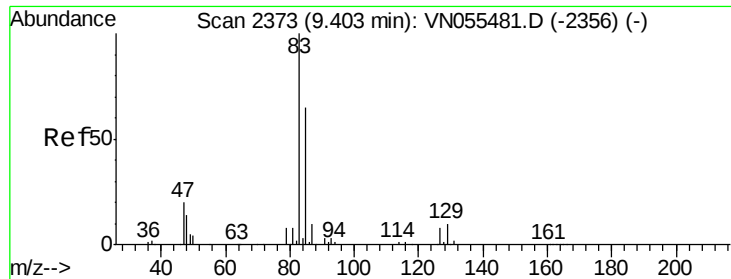
50000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 49.972 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

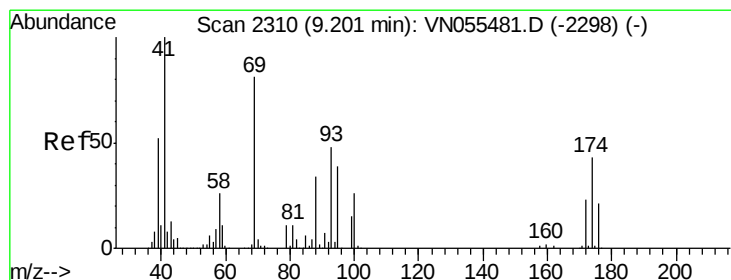
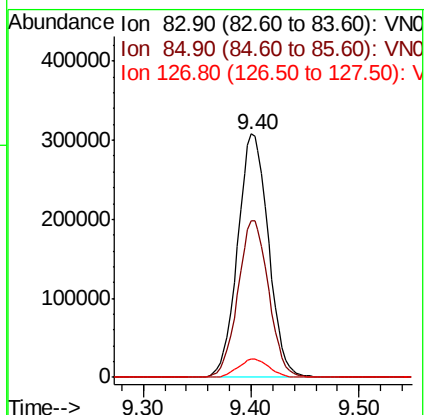
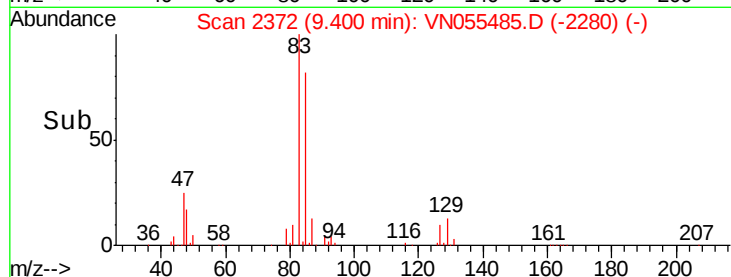
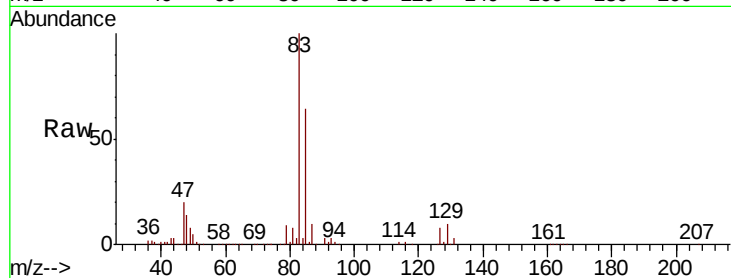
Tot Ion: 83 Resp: 611196

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.2

127 7.6 6.5 9.7



#48

Methyl methacrylate

Concen: 47.534 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

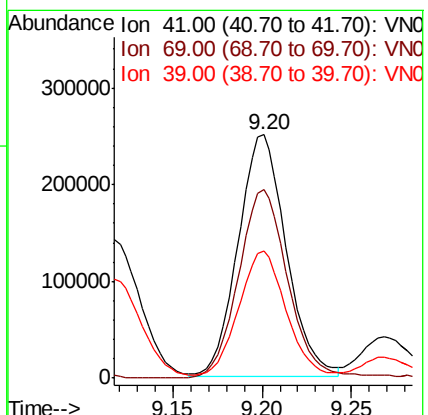
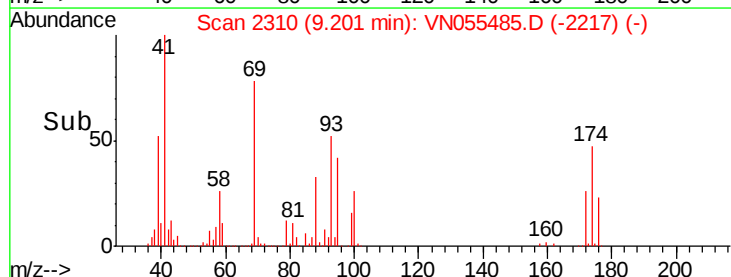
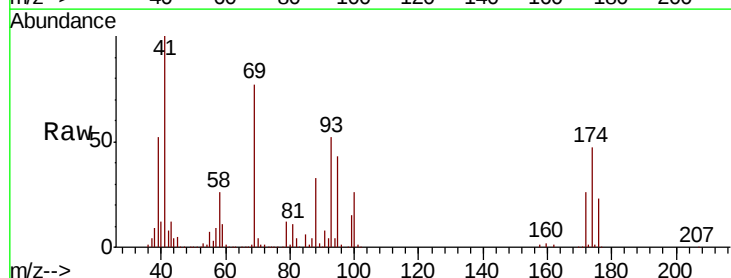
Tgt Ion: 41 Resp: 471425

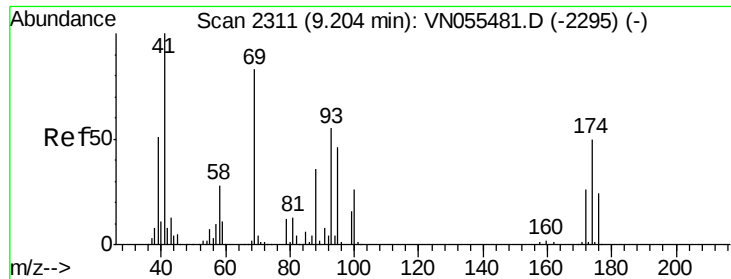
Ion Ratio Lower Upper

41 100

69 80.6 64.2 96.2

39 51.8 41.6 62.4

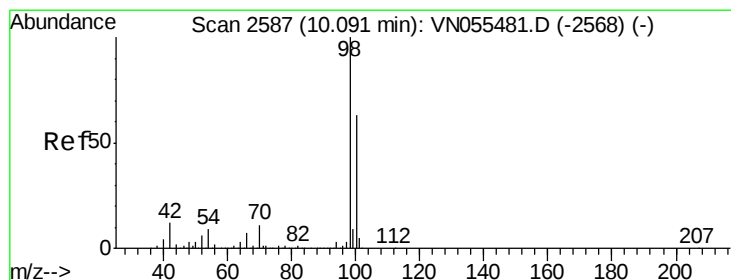
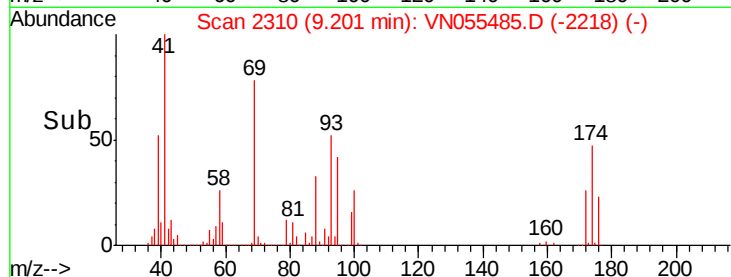
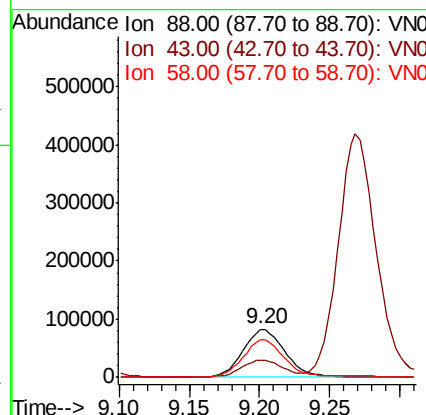
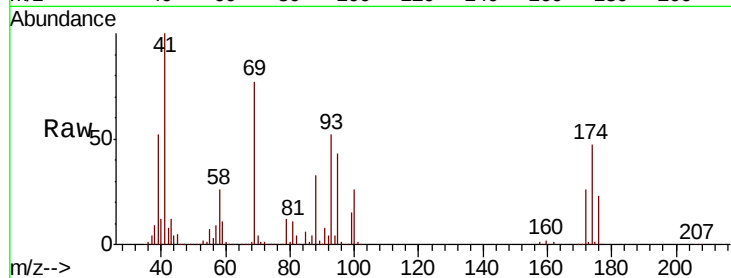




#49
 1,4-Dioxane
 Concen: 893.869 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

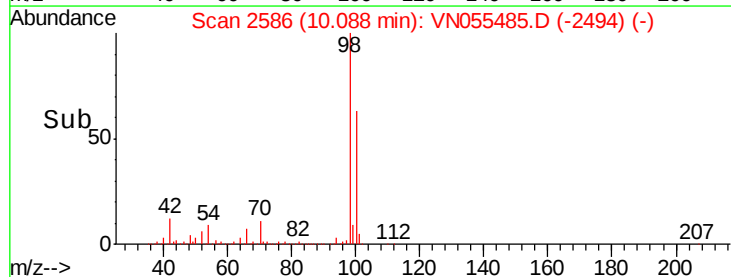
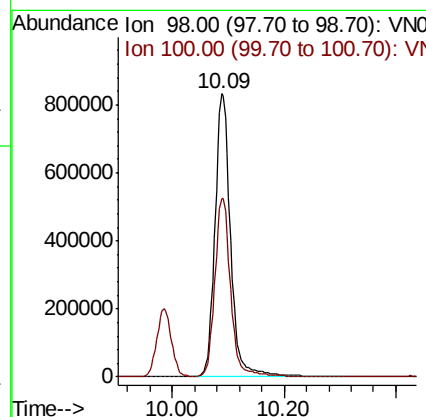
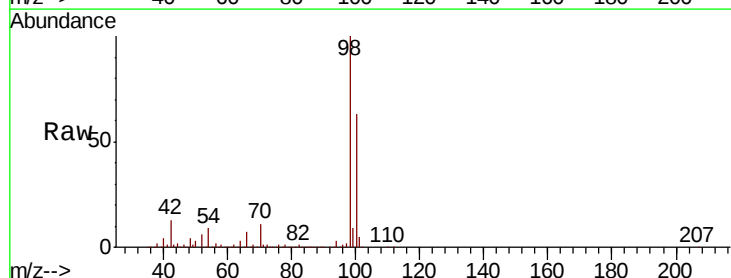
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

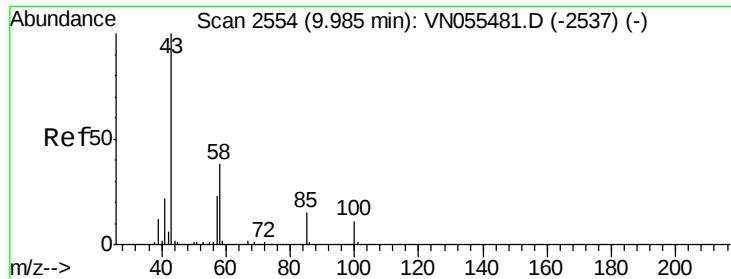
Tot Ion: 88 Resp: 172783
 Ion Ratio Lower Upper
 88 100
 43 33.5 27.8 41.8
 58 76.1 61.8 92.6



#50
 Toluene-d8
 Concen: 51.127 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion: 98 Resp: 1620398
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 227.313 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

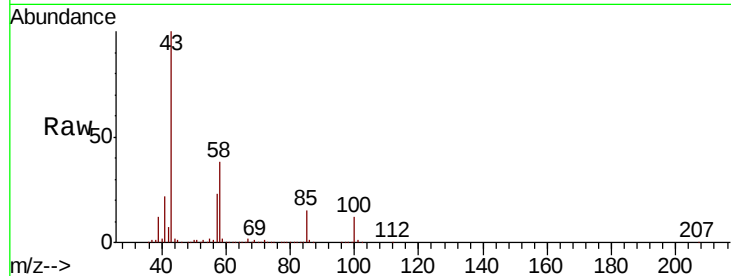
VSTDCCC050

Tot Ion: 43 Resp: 3077345

Ion Ratio Lower Upper

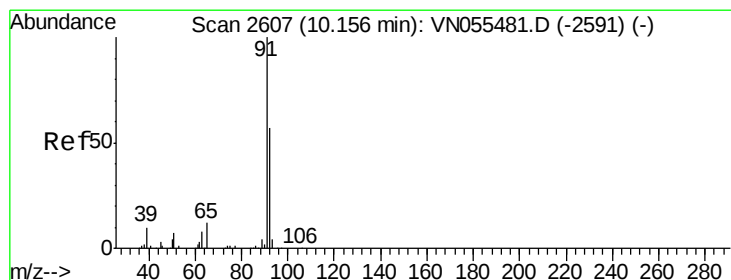
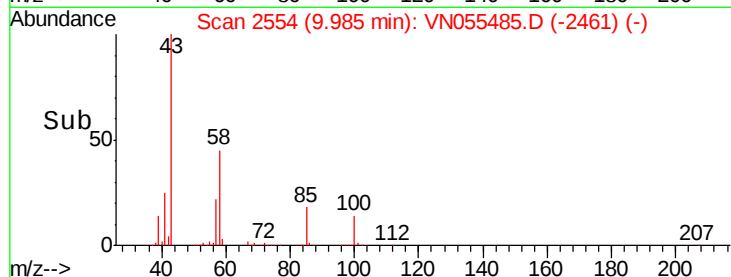
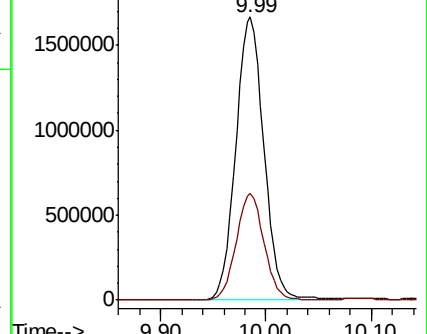
43 100

58 37.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.073 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055485.D

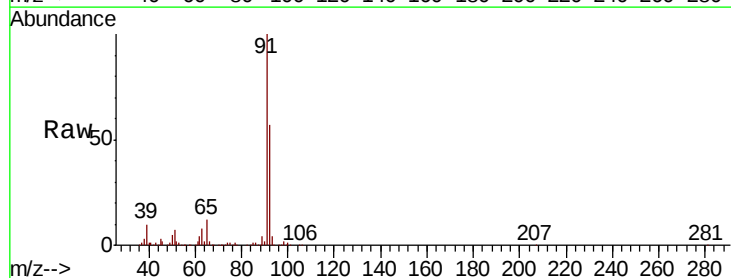
Acq: 9 May 2019 10:03

Tgt Ion: 92 Resp: 1125568

Ion Ratio Lower Upper

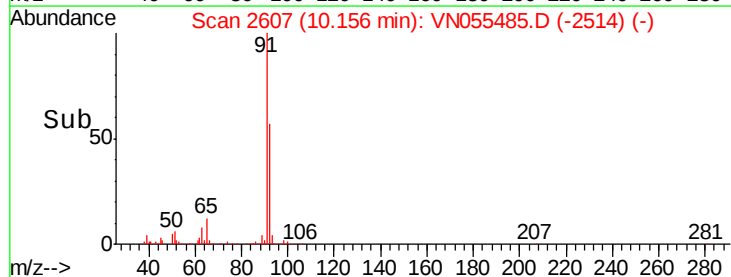
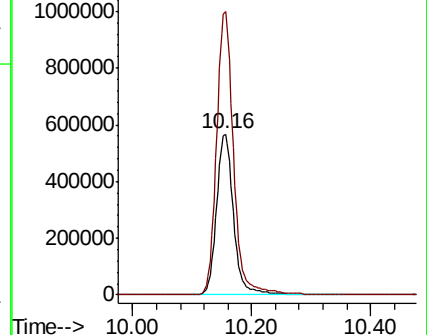
92 100

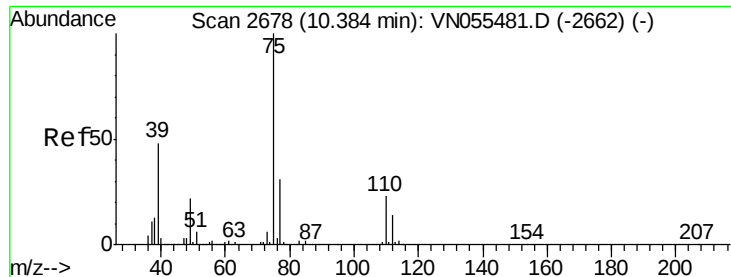
91 175.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.403 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

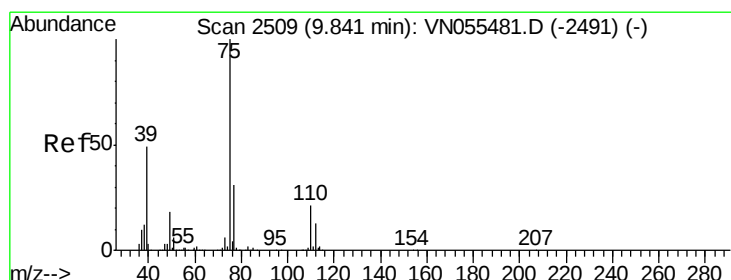
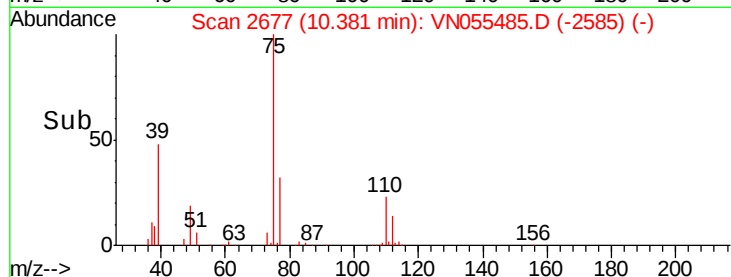
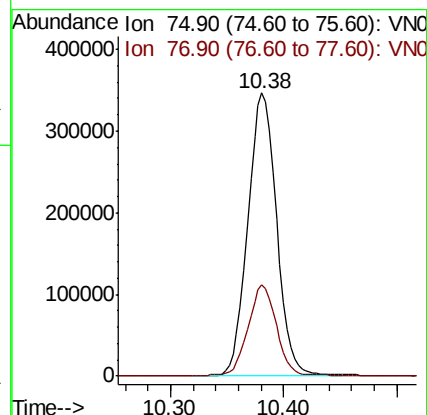
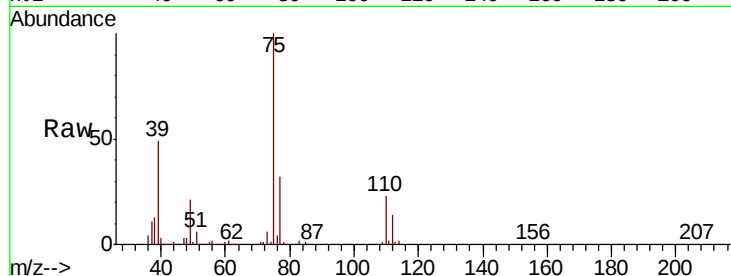
VSTDCCC050

Tot Ion: 75 Resp: 615571

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 52.279 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

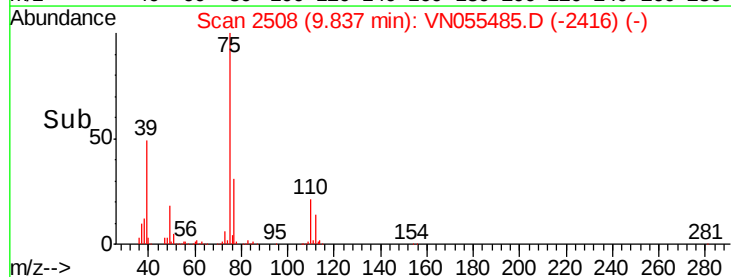
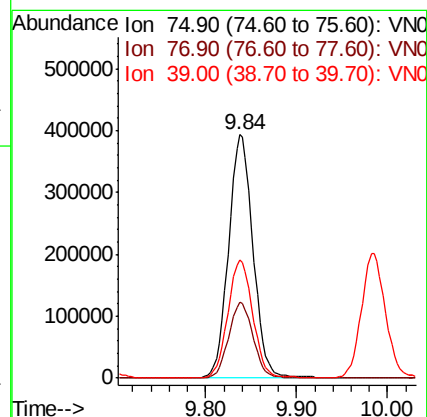
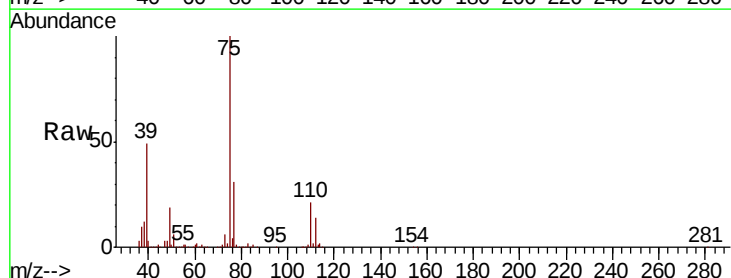
Tgt Ion: 75 Resp: 733831

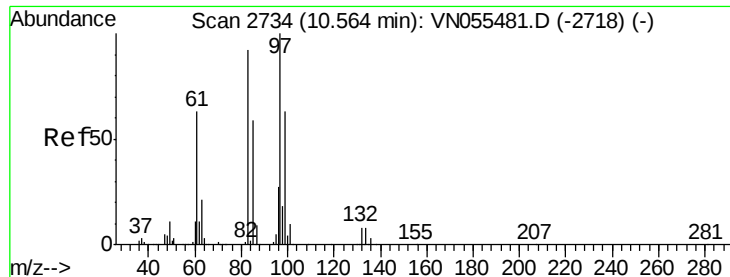
Ion Ratio Lower Upper

75 100

77 31.0 24.4 36.6

39 48.6 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 48.871 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 436379

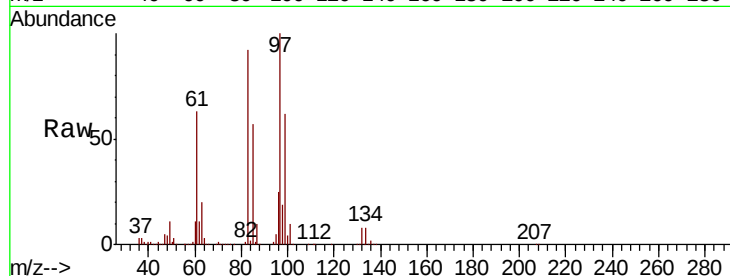
Ion Ratio Lower Upper

97 100

83 91.6 73.2 109.8

85 57.0 47.5 71.3

99 62.3 50.2 75.2

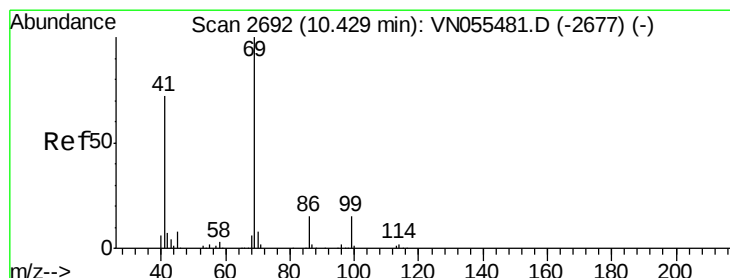
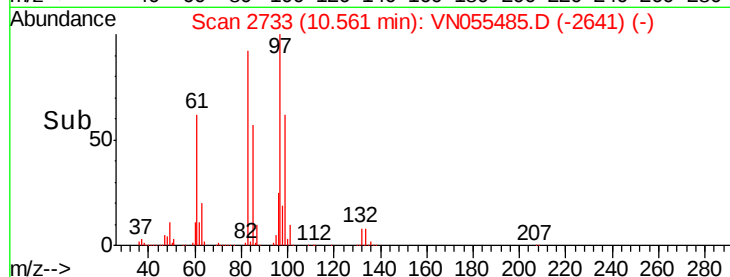
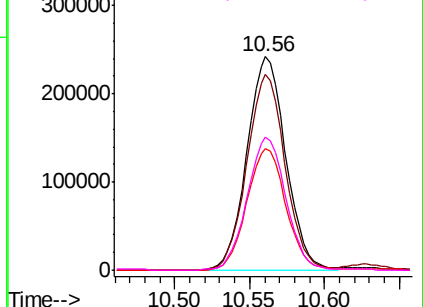


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 47.838 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

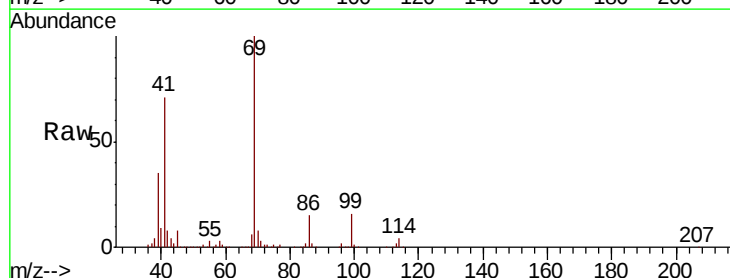
Tgt Ion: 69 Resp: 635364

Ion Ratio Lower Upper

69 100

41 70.5 56.2 84.2

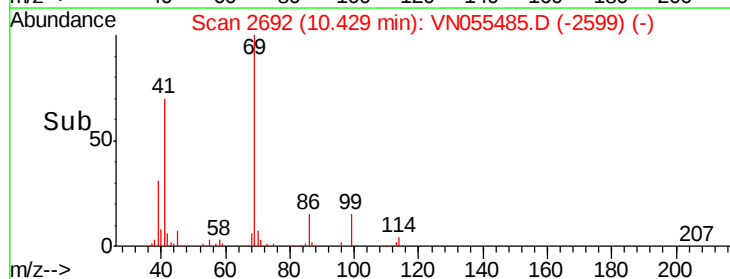
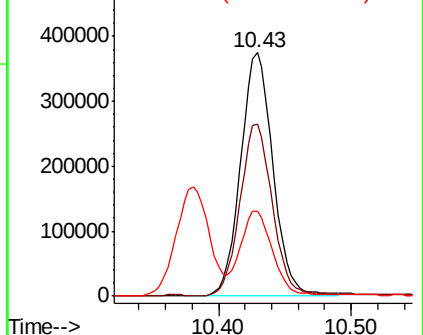
39 33.7 27.8 41.6

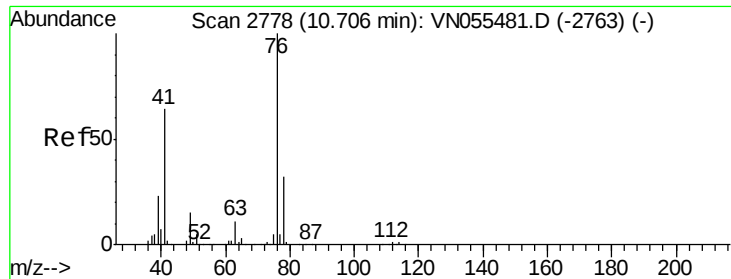


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 48.679 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

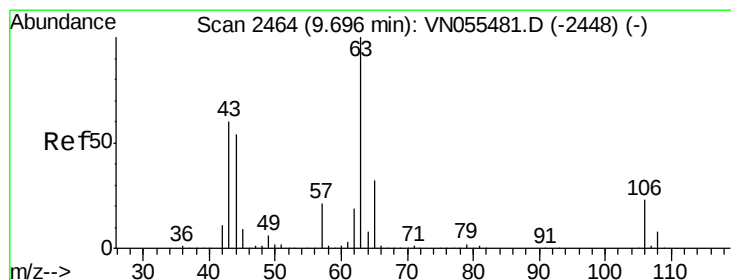
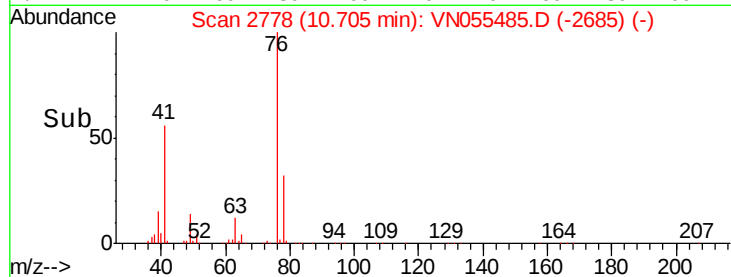
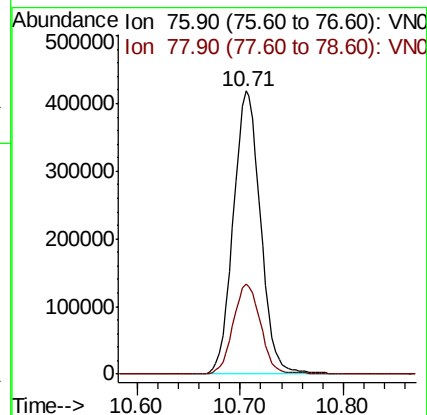
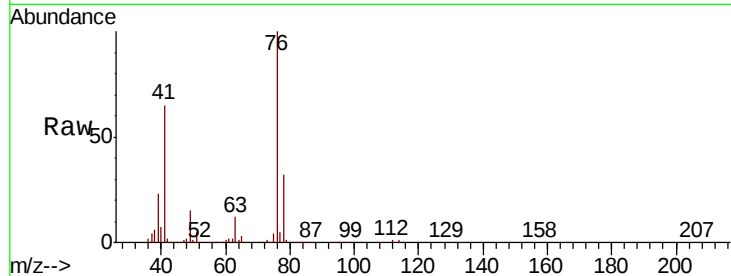
VSTDCCC050

Tot Ion: 76 Resp: 771677

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 206.238 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055485.D

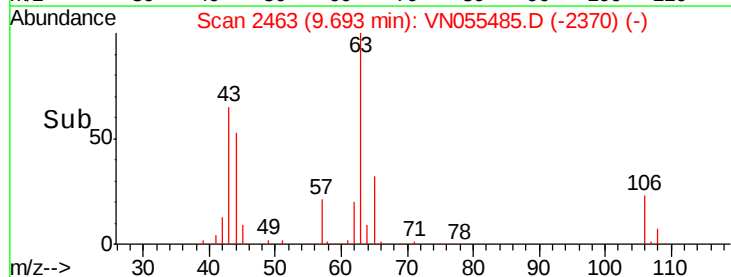
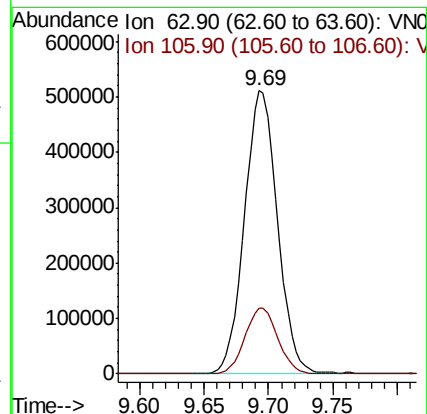
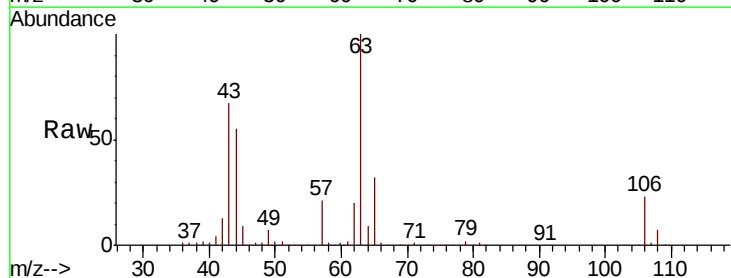
Acq: 9 May 2019 10:03

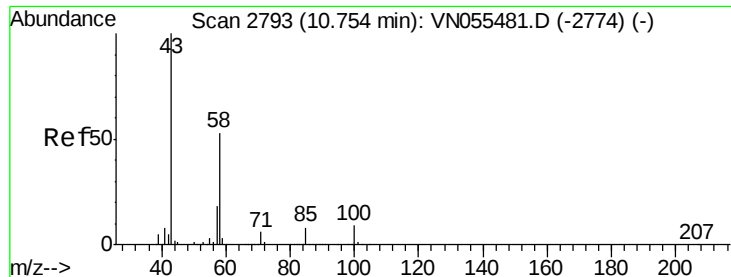
Tgt Ion: 63 Resp: 911786

Ion Ratio Lower Upper

63 100

106 23.3 18.6 27.8

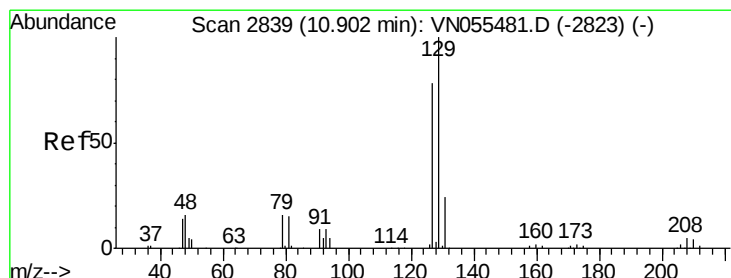
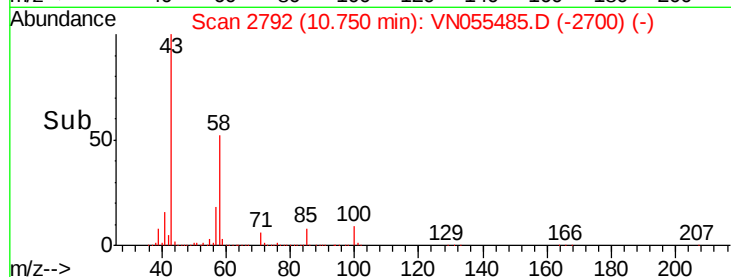
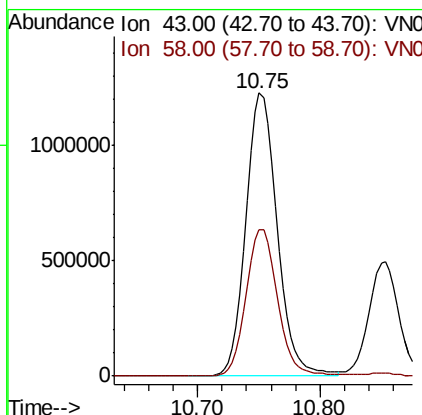
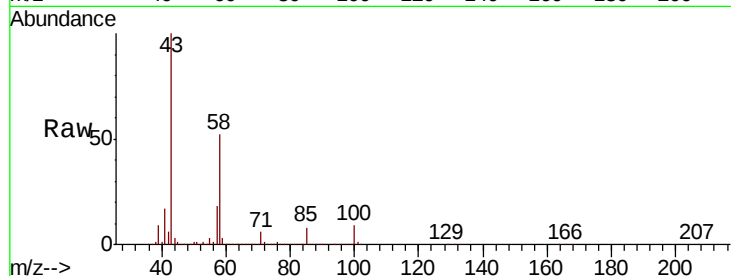




#59
2-Hexanone
Concen: 227.839 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

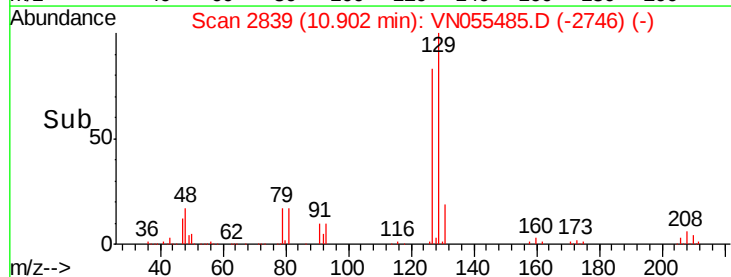
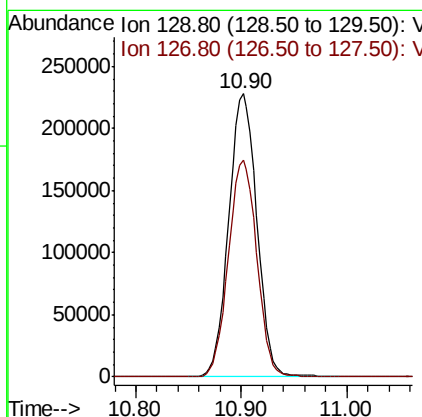
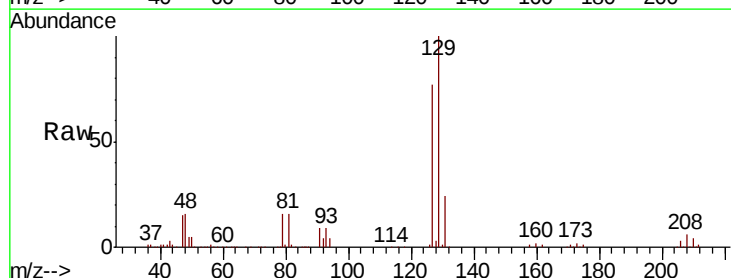
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

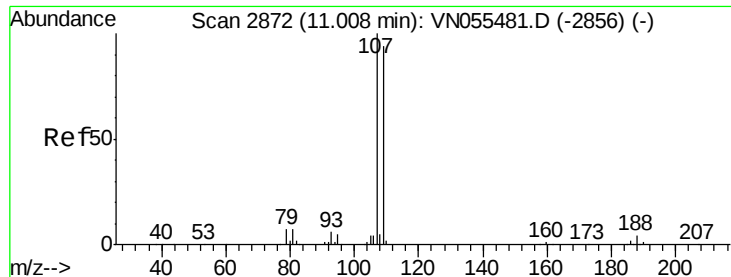
Tot Ion: 43 Resp: 2163138
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0



#60
Dibromochloromethane
Concen: 51.935 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 129 Resp: 421628
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0

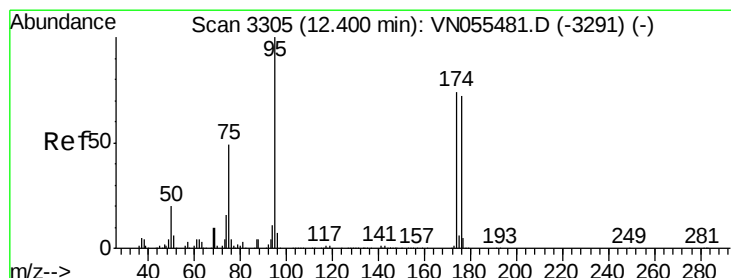
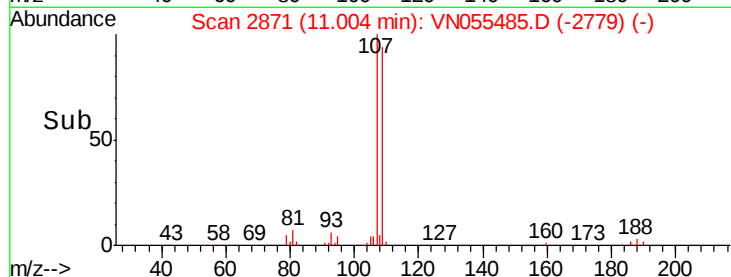
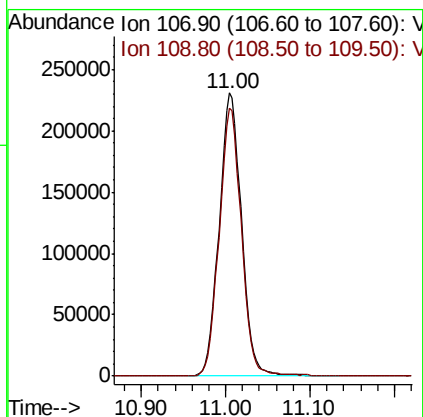
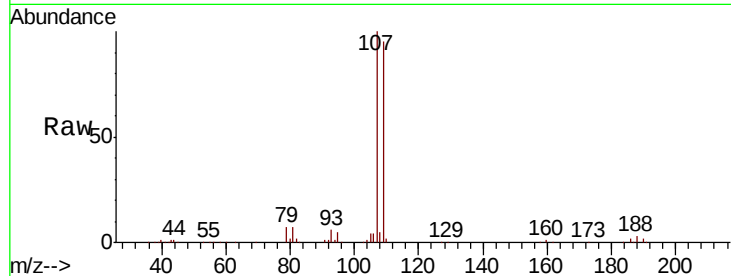




#61
 1,2-Dibromoethane
 Concen: 49.487 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

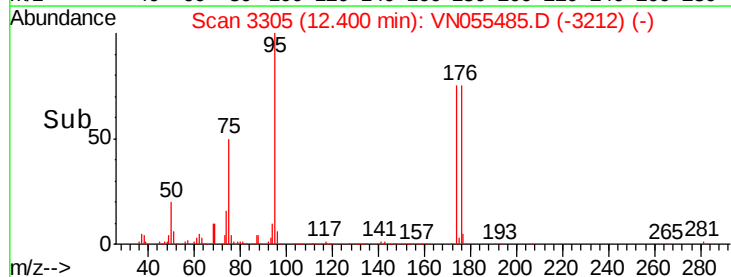
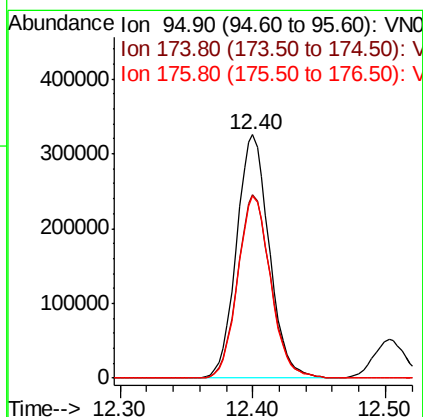
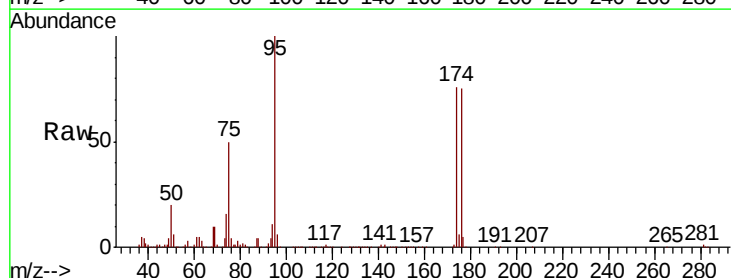
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

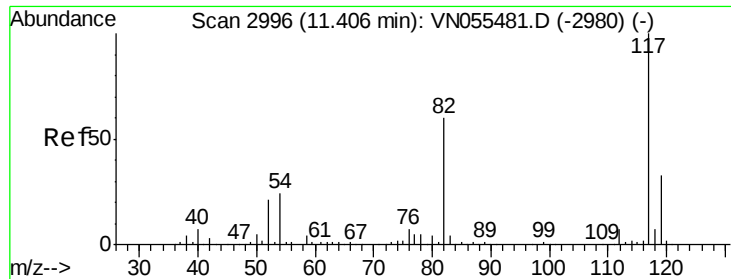
Tot Ion:107 Resp: 424562
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 52.287 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion: 95 Resp: 558765
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 152.2
 176 75.0 0.0 147.8

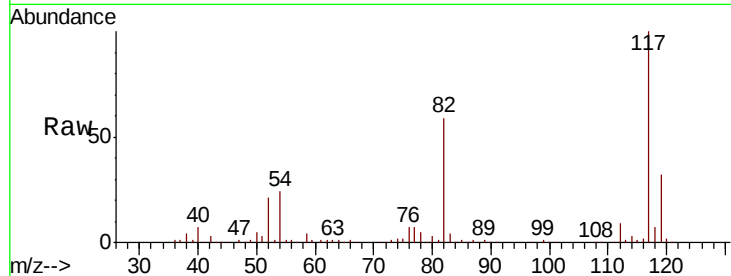




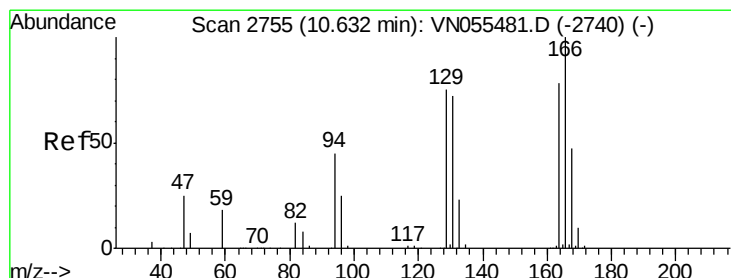
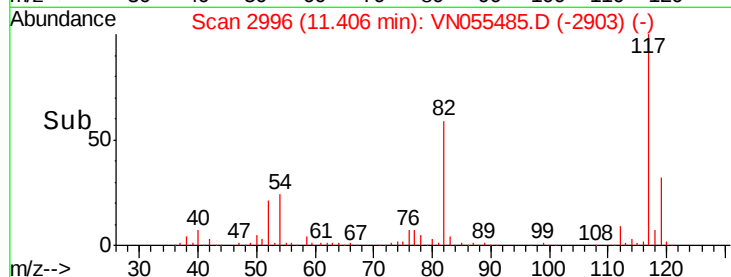
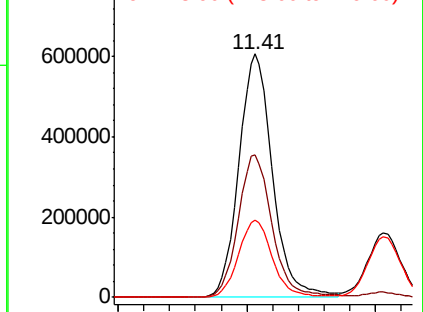
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1101192
Ion Ratio Lower Upper
117 100
82 58.6 48.0 72.0
119 31.7 26.0 39.0

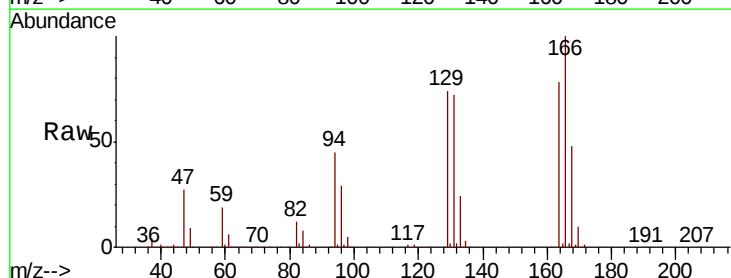


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

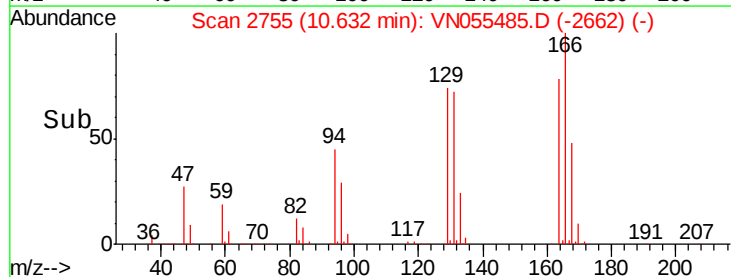
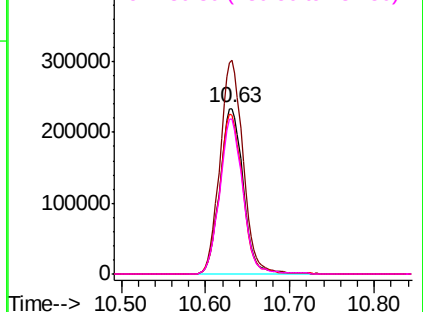


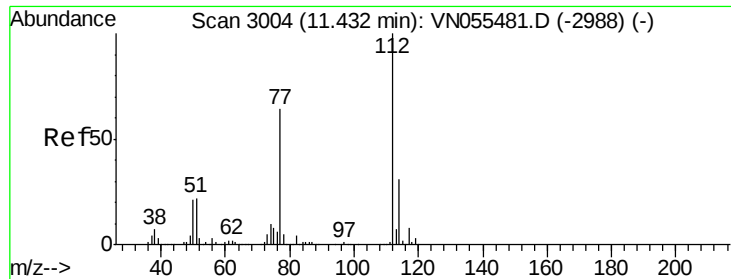
#64
Tetrachloroethene
Concen: 49.646 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion:164 Resp: 447962
Ion Ratio Lower Upper
164 100
166 128.8 102.6 153.8
129 95.7 77.0 115.6
131 93.4 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.843 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

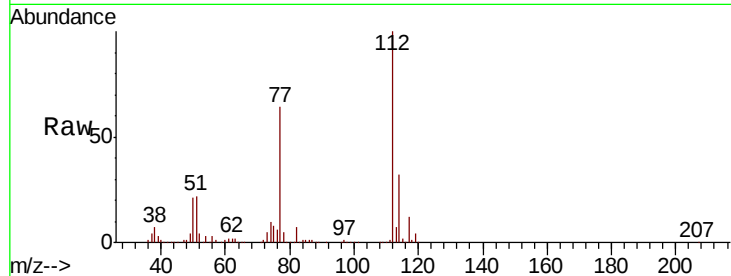
VSTDCCC050

Tot Ion:112 Resp: 1129224

Ion Ratio Lower Upper

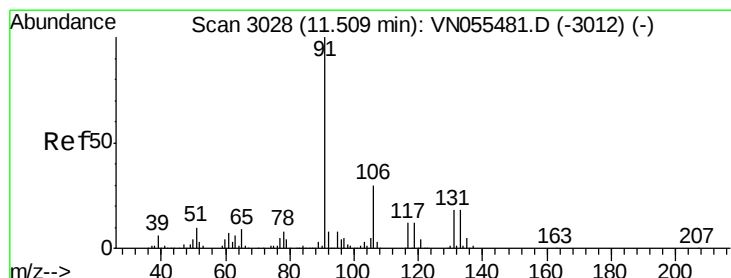
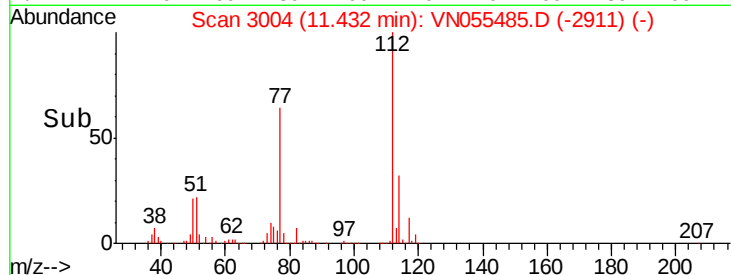
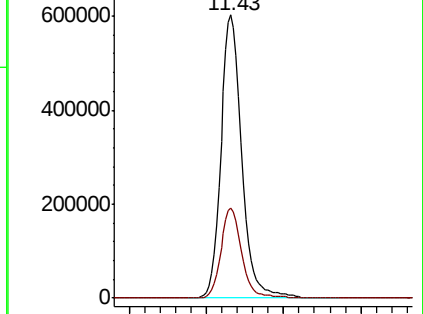
112 100

114 31.8 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.902 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

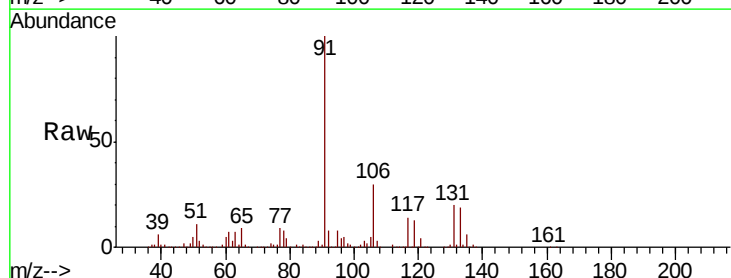
Tgt Ion:131 Resp: 397013

Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.2

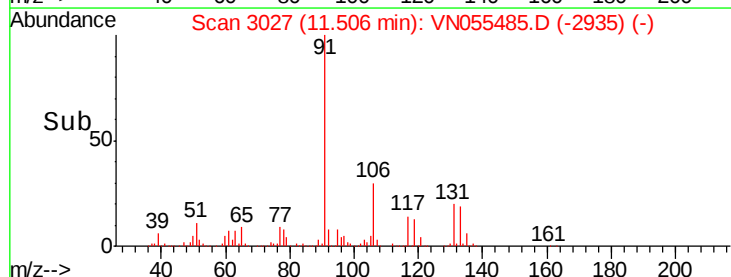
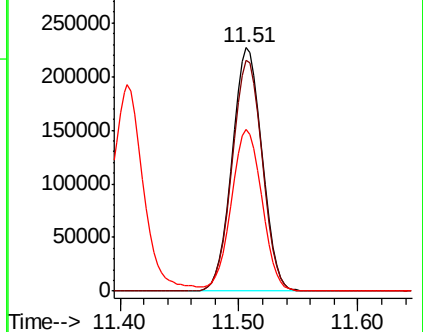
119 68.2 34.1 102.2

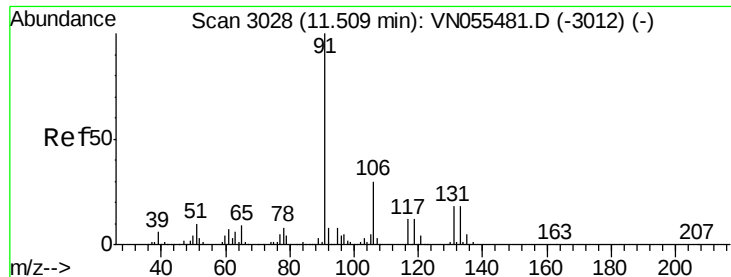


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

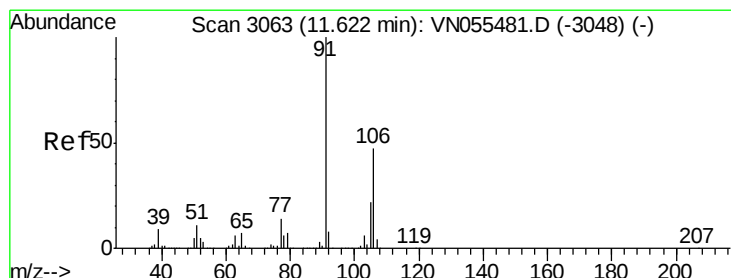
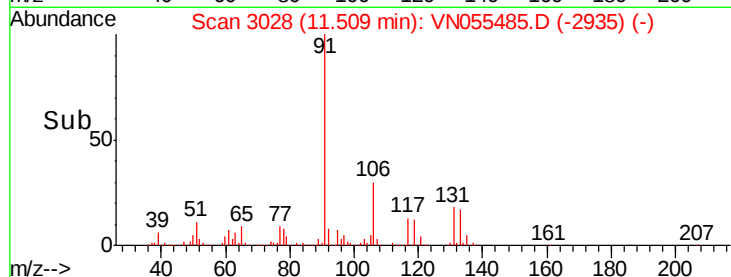
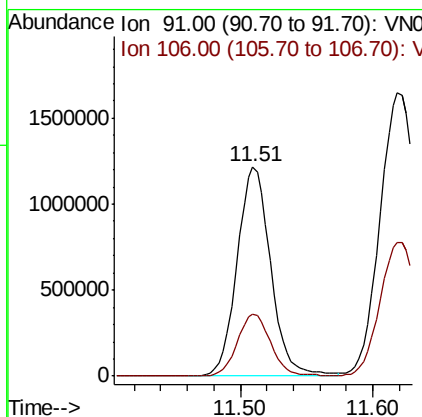
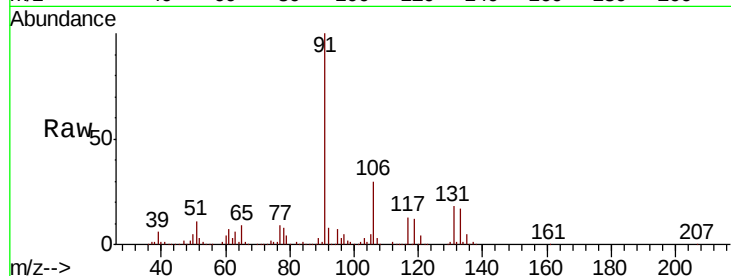




#67
Ethyl Benzene
Concen: 50.262 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

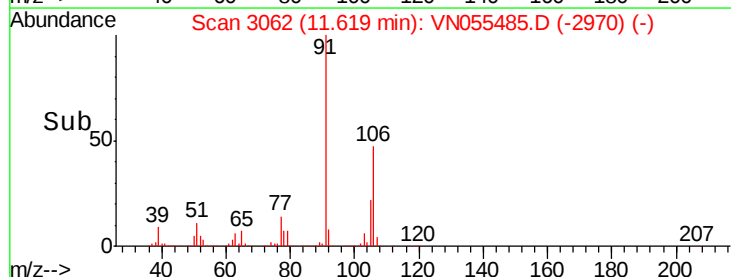
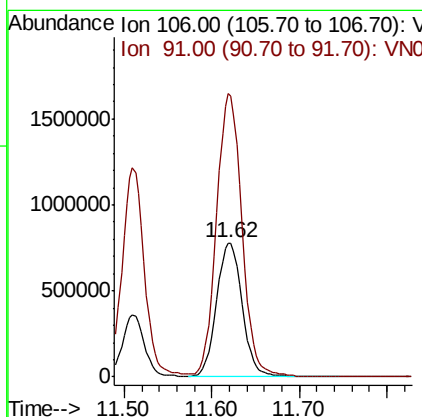
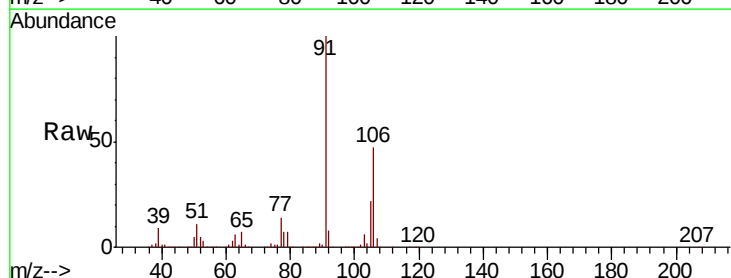
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

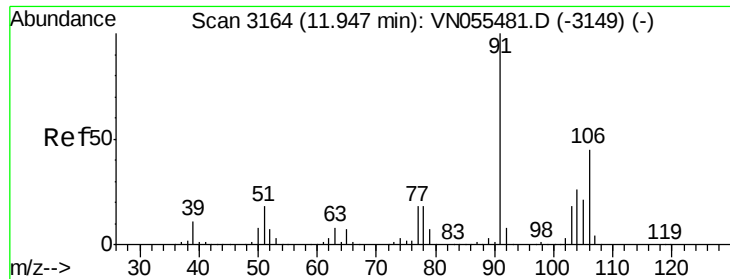
Tot Ion: 91 Resp: 2138663
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#68
m/p-Xylenes
Concen: 103.920 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 106 Resp: 1586871
Ion Ratio Lower Upper
106 100
91 209.2 169.2 253.8

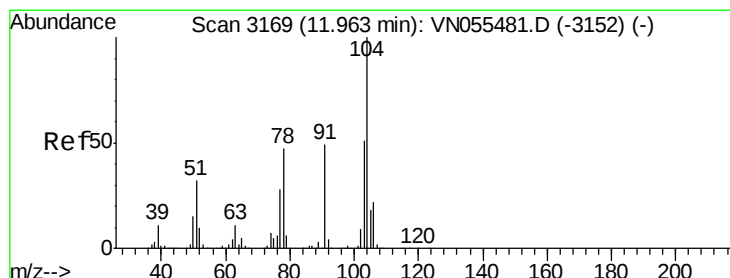
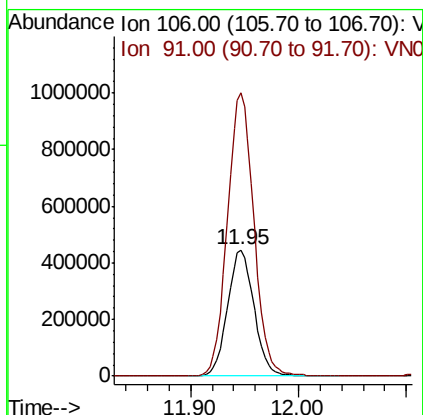
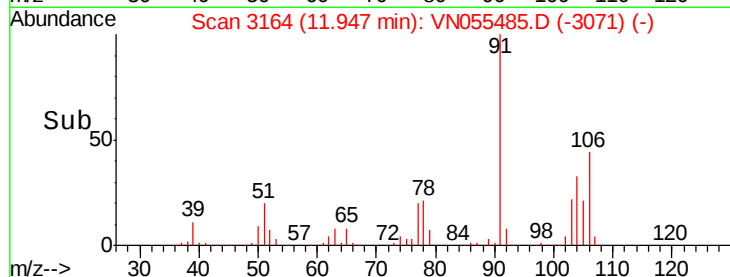
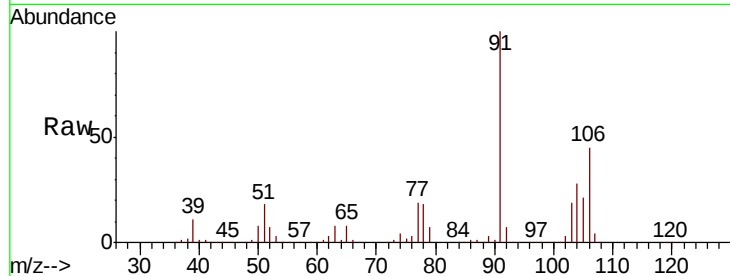




#69
o-Xylene
Concen: 50.907 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

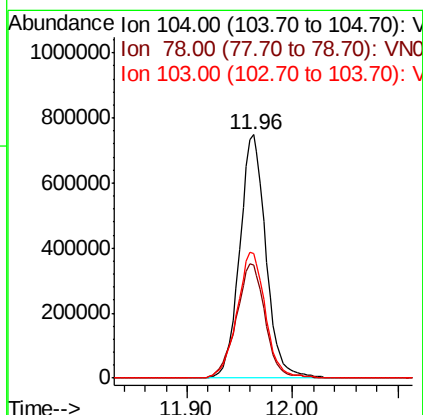
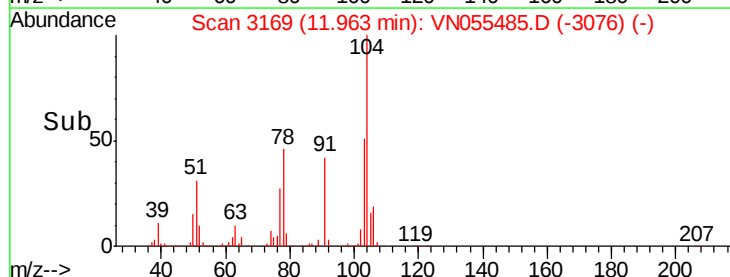
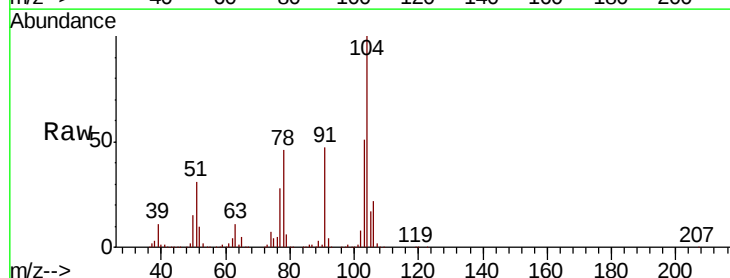
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

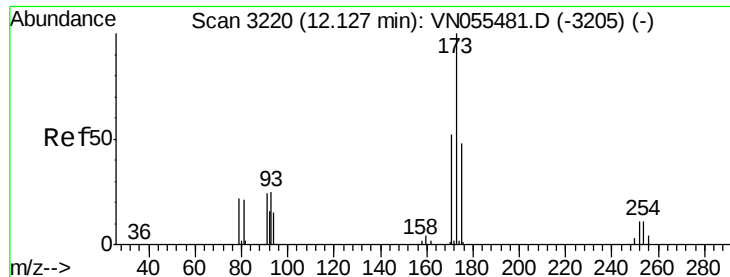
Tot Ion:106 Resp: 764042
Ion Ratio Lower Upper
106 100
91 224.3 111.3 333.8



#70
Styrene
Concen: 53.560 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion:104 Resp: 1287873
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 56.1 44.4 66.6





#71

Bromoform

Concen: 52.673 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

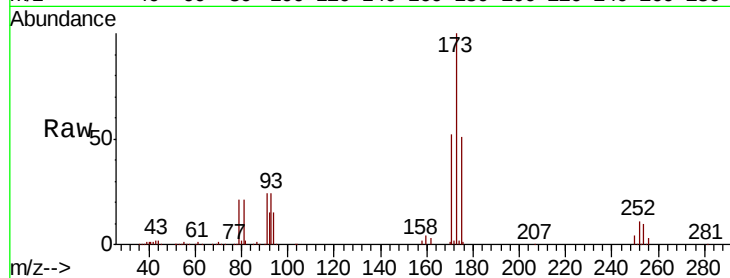
Tot Ion:173 Resp: 277224

Ion Ratio Lower Upper

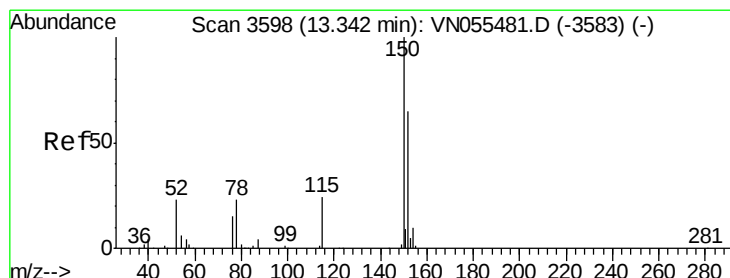
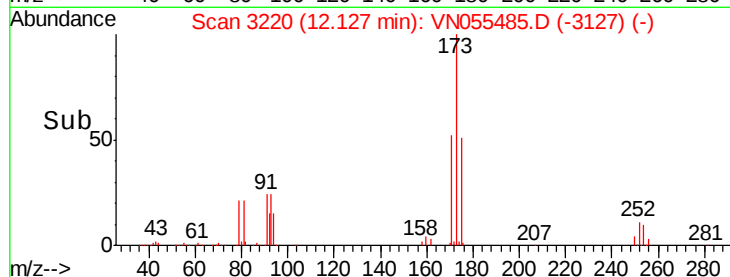
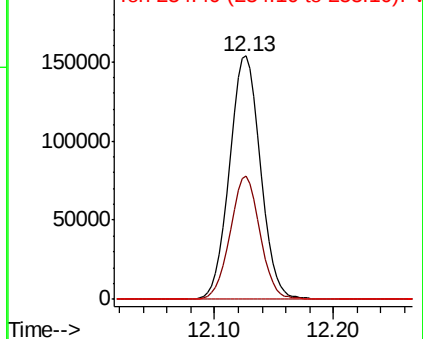
173 100

175 48.7 24.1 72.4

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

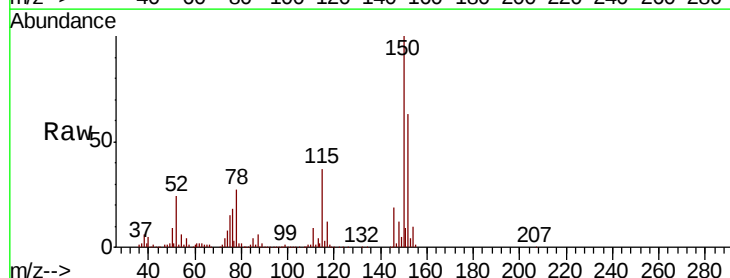
Tgt Ion:152 Resp: 467367

Ion Ratio Lower Upper

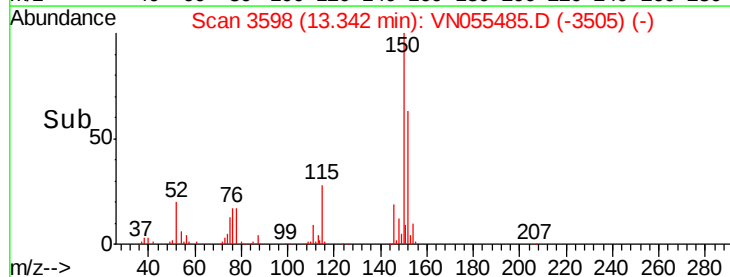
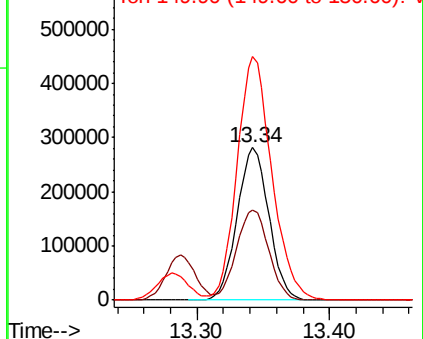
152 100

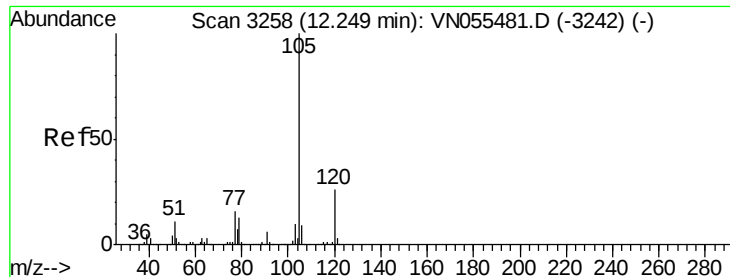
115 60.3 30.1 90.5

150 174.7 0.0 355.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.038 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

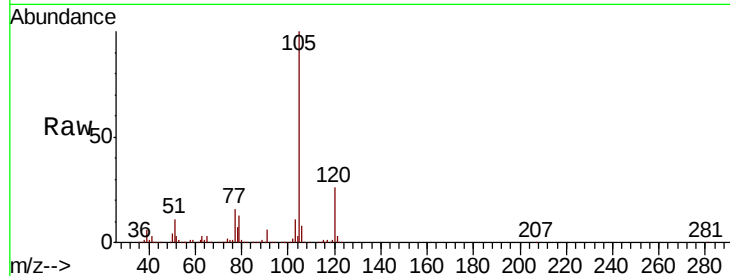
VSTDCCC050

Tot Ion:105 Resp: 2038080

Ion Ratio Lower Upper

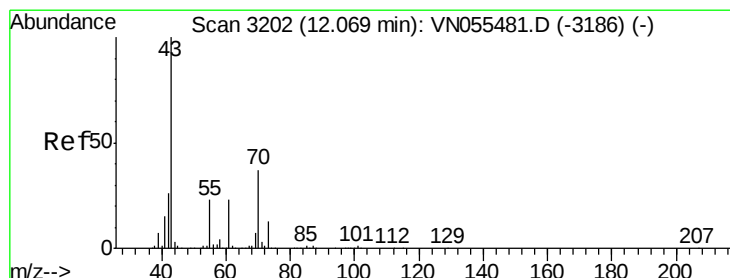
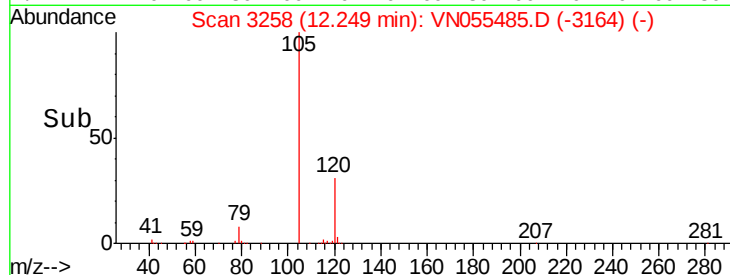
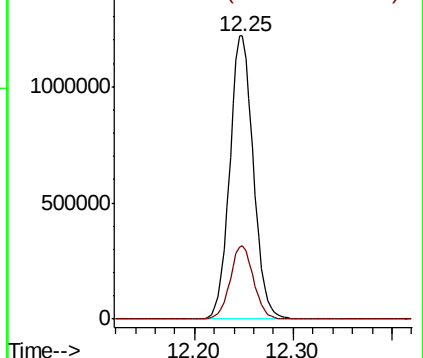
105 100

120 25.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.663 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Tgt Ion: 43 Resp: 792499

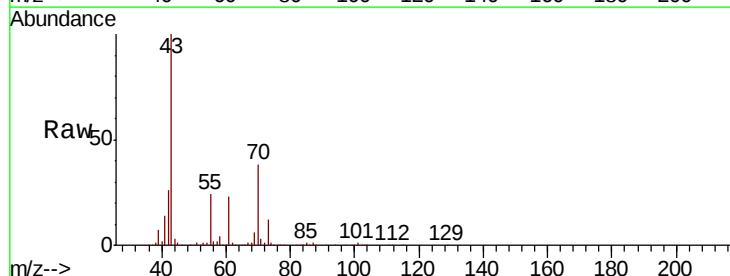
Ion Ratio Lower Upper

43 100

70 38.4 30.7 46.1

55 24.3 19.3 28.9

61 23.1 18.6 27.8

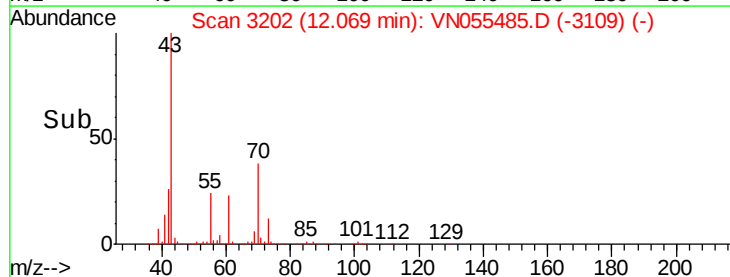
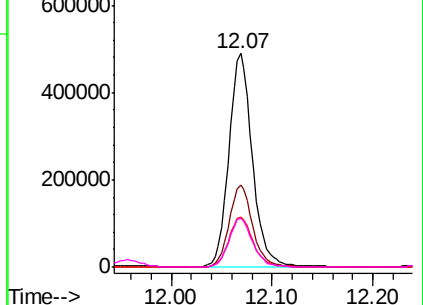


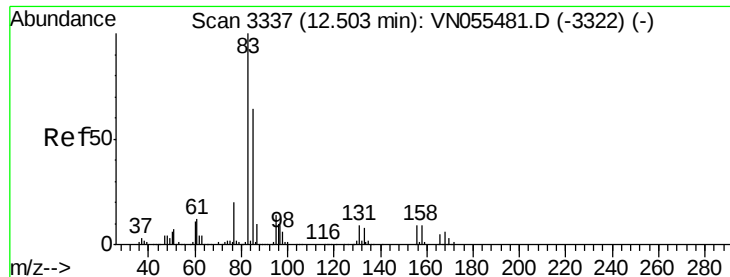
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.925 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

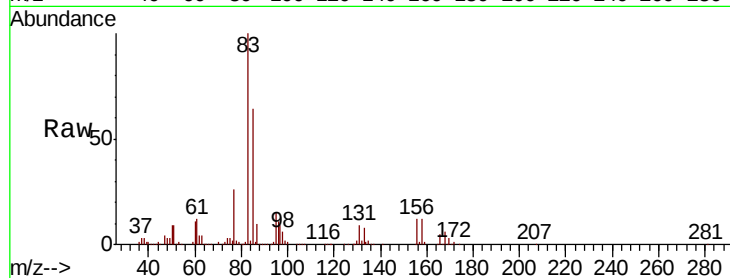
Tot Ion: 83 Resp: 601778

Ion Ratio Lower Upper

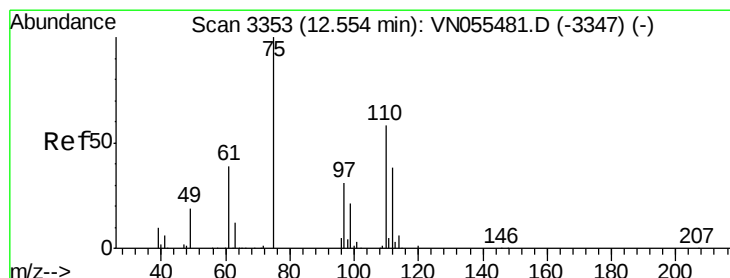
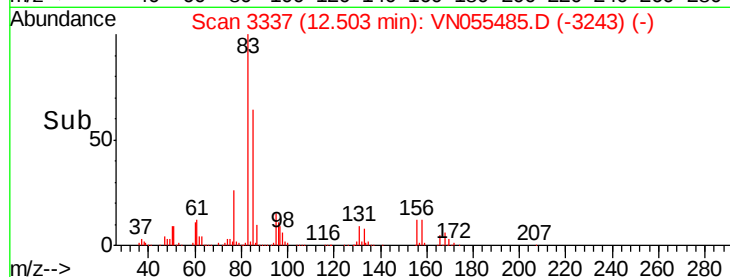
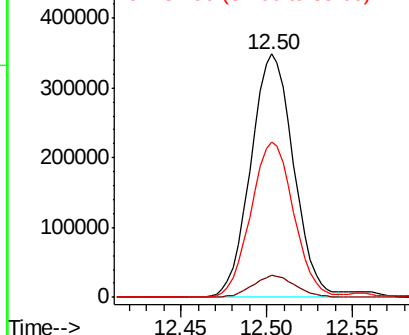
83 100

131 9.0 4.5 13.5

85 63.8 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 59.098 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055485.D

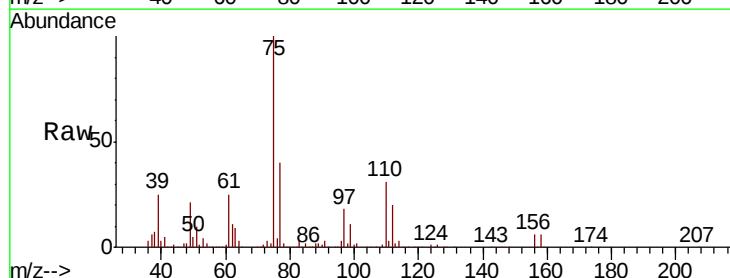
Acq: 9 May 2019 10:03

Tgt Ion: 75 Resp: 751923

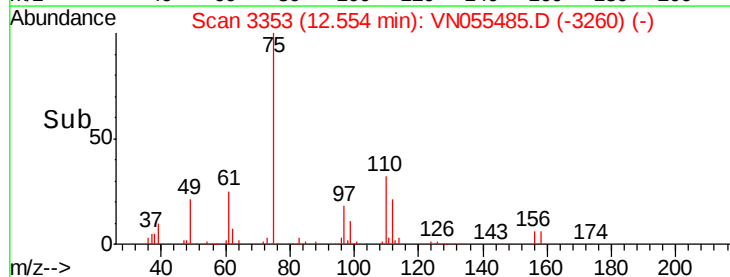
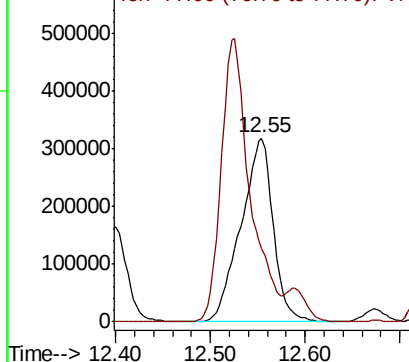
Ion Ratio Lower Upper

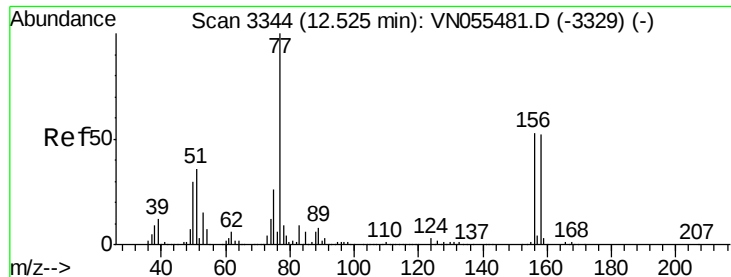
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 44.994 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

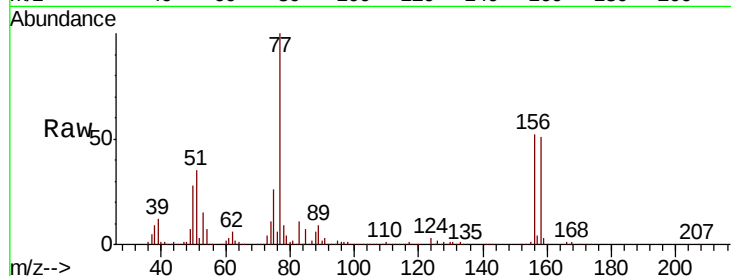
Tot Ion:156 Resp: 463435

Ion Ratio Lower Upper

156 100

77 225.7 115.4 346.2

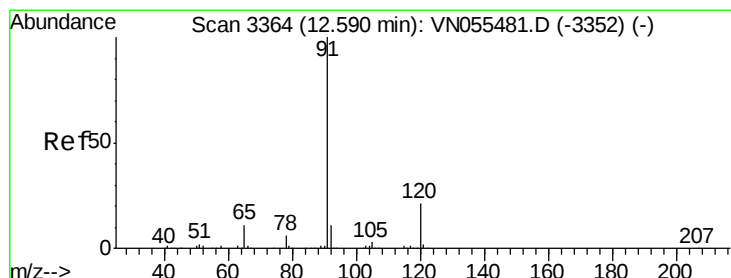
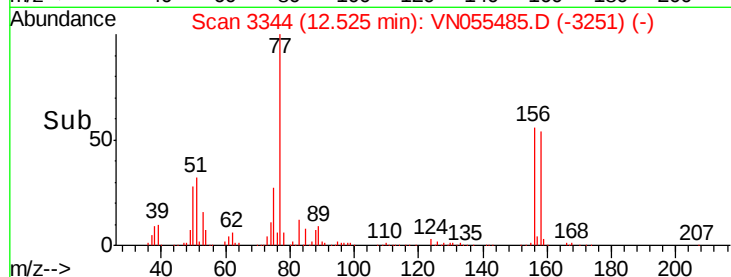
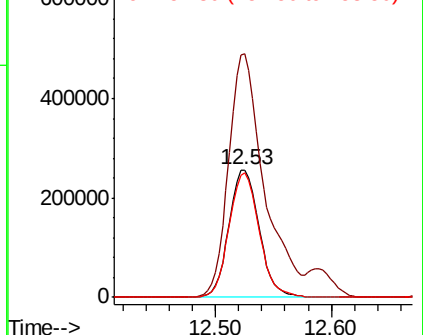
158 97.3 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.653 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055485.D

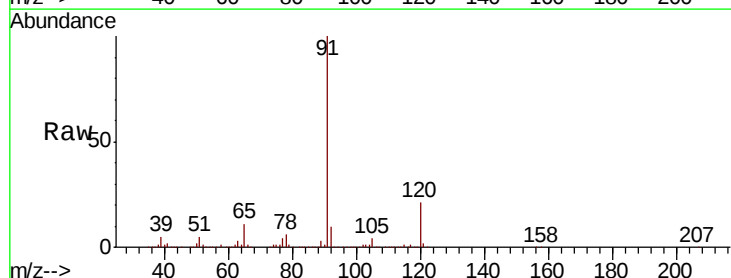
Acq: 9 May 2019 10:03

Tgt Ion: 91 Resp: 2388737

Ion Ratio Lower Upper

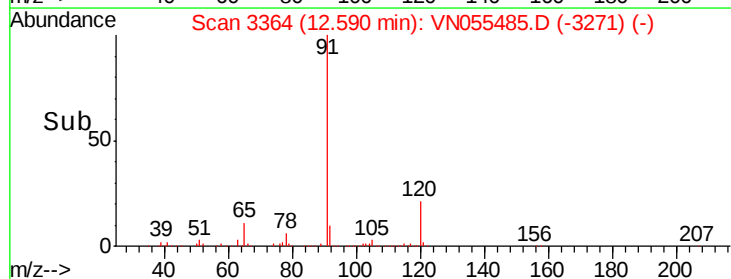
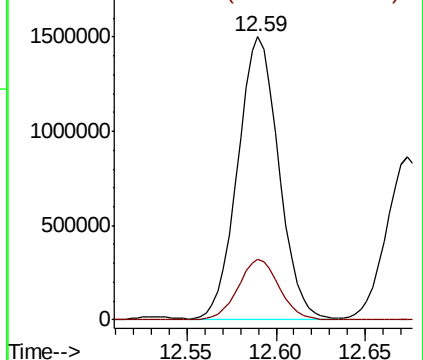
91 100

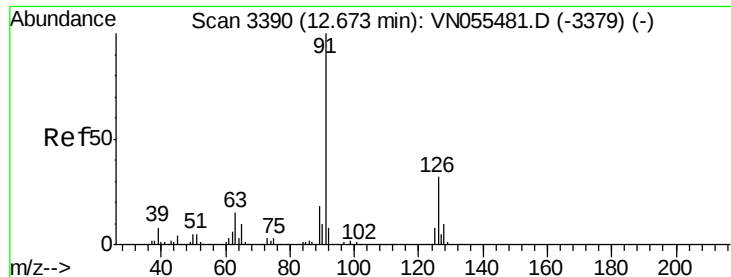
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.617 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampled :

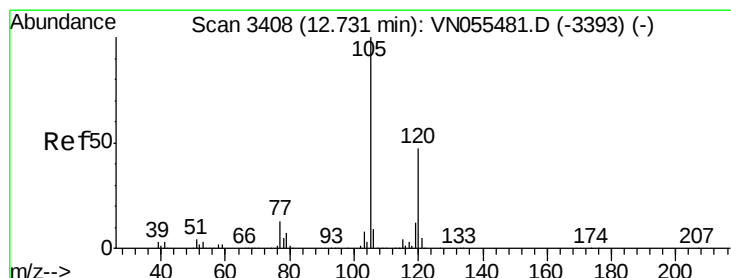
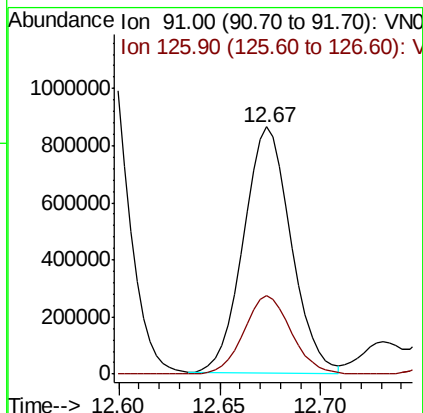
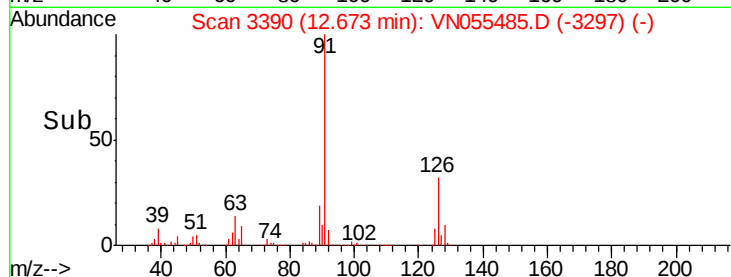
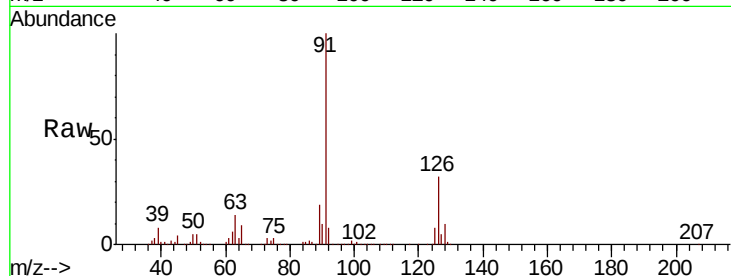
VSTDCCC050

Tot Ion: 91 Resp: 1425097

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 47.096 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055485.D

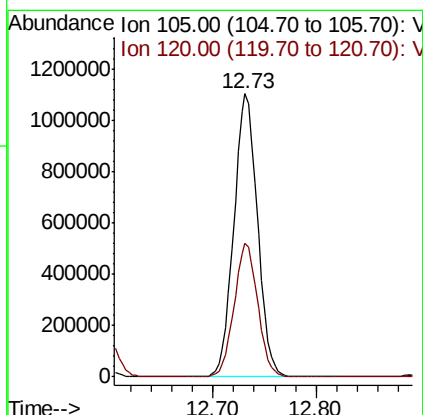
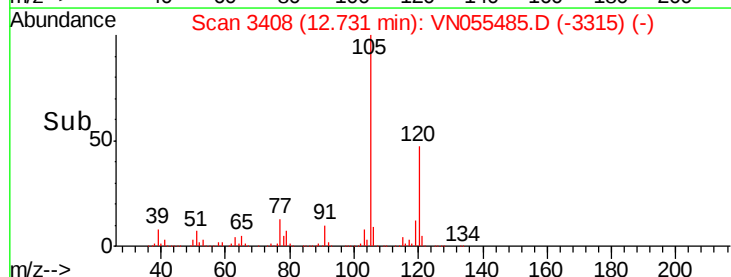
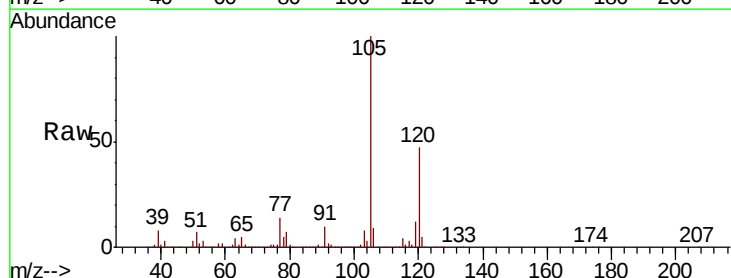
Acq: 9 May 2019 10:03

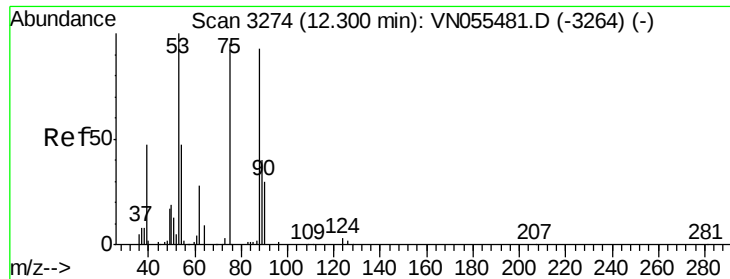
Tgt Ion:105 Resp: 1760335

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.302 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

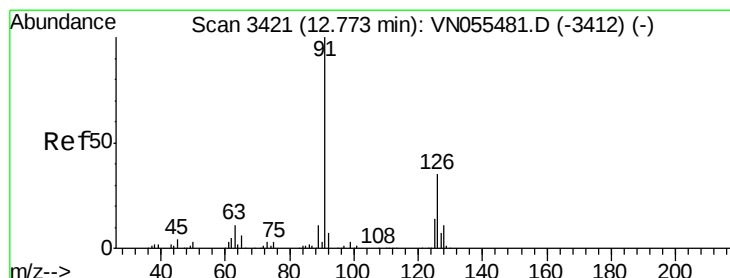
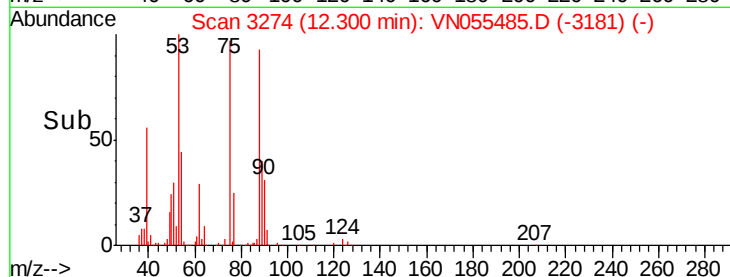
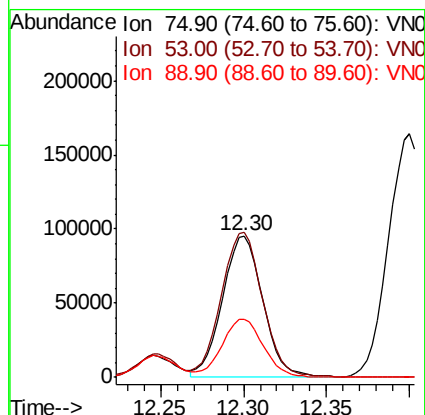
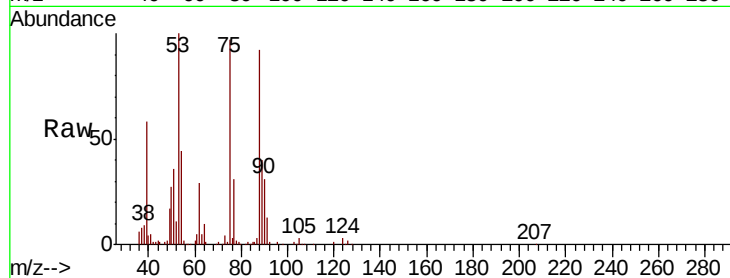
Tot Ion: 75 Resp: 159658

Ion Ratio Lower Upper

75 100

53 106.1 86.5 129.7

89 42.6 35.7 53.5



#82

4-Chlorotoluene

Concen: 47.656 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055485.D

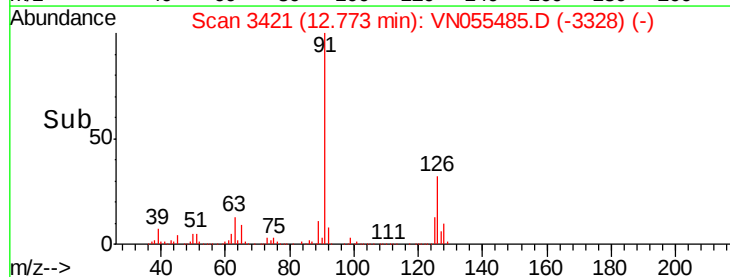
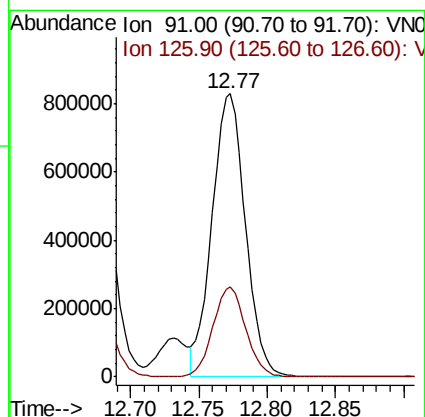
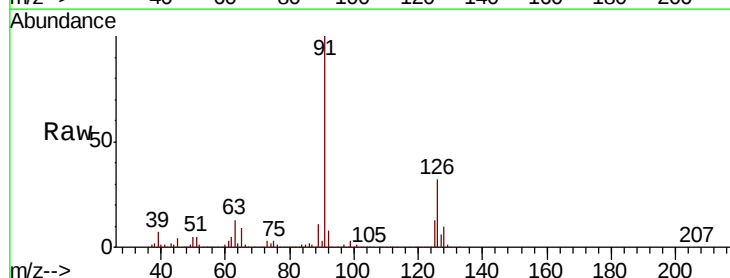
Acq: 9 May 2019 10:03

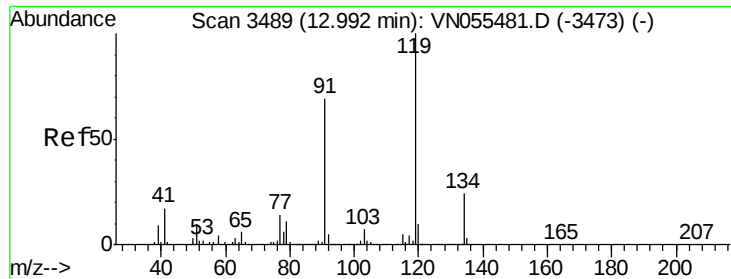
Tgt Ion: 91 Resp: 1406757

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.0

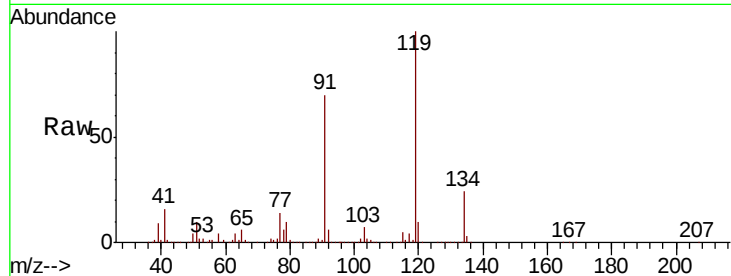




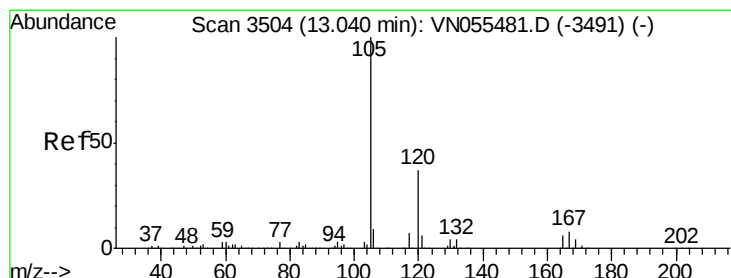
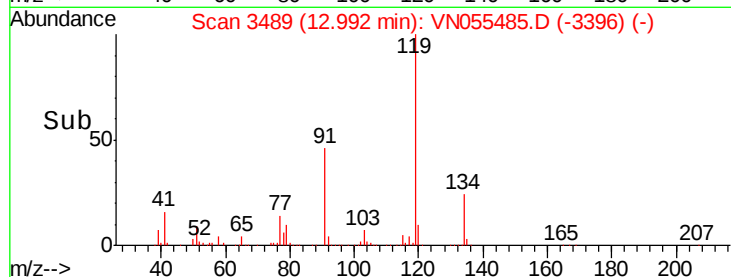
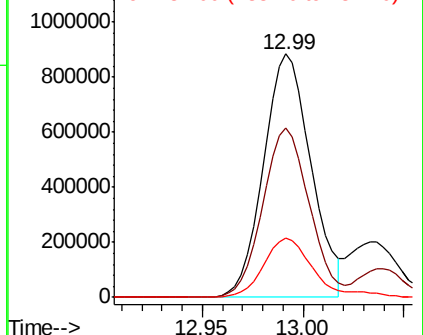
#83
 tert-Butylbenzene
 Concen: 45.150 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1446536
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.8 101.3
 134 25.7 12.5 37.5

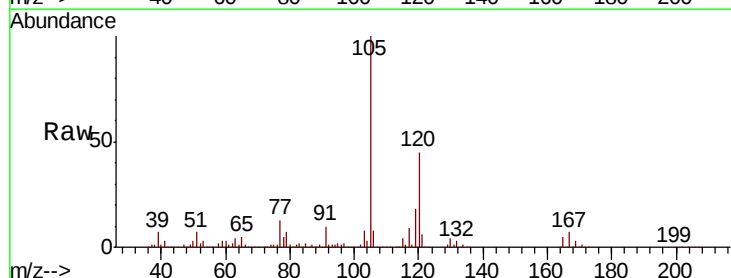


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

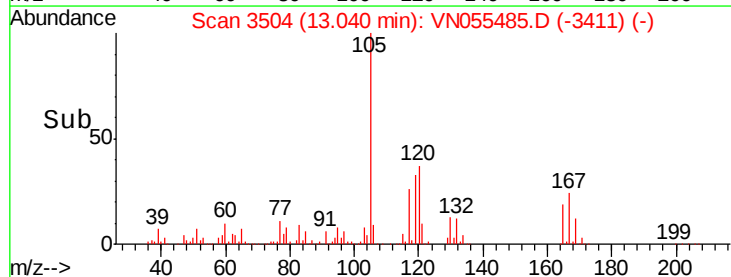
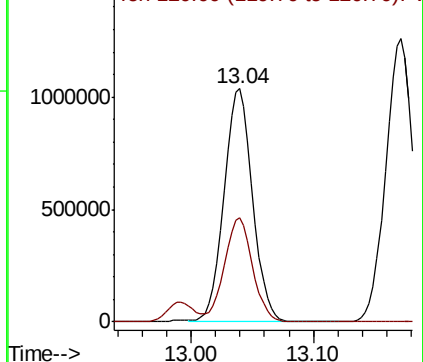


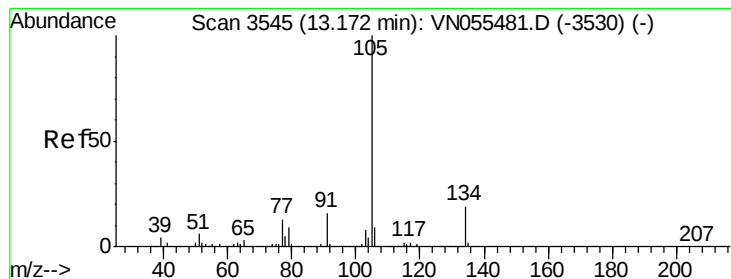
#84
 1,2,4-Trimethylbenzene
 Concen: 49.497 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion:105 Resp: 1696758
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.082 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

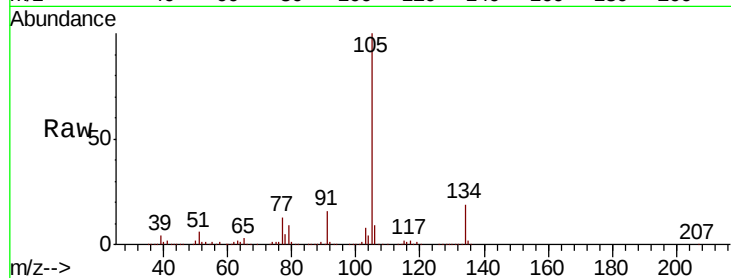
VSTDCCC050

Tot Ion:105 Resp: 2004706

Ion Ratio Lower Upper

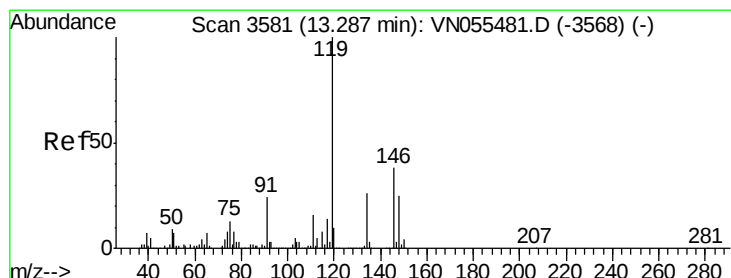
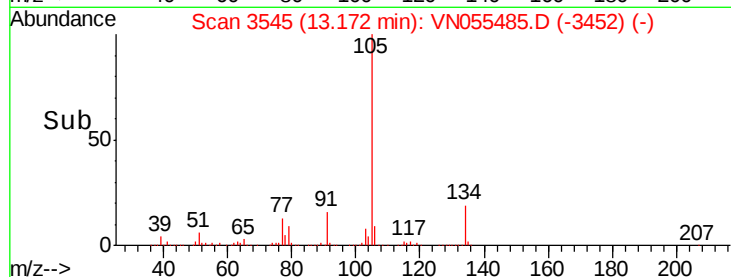
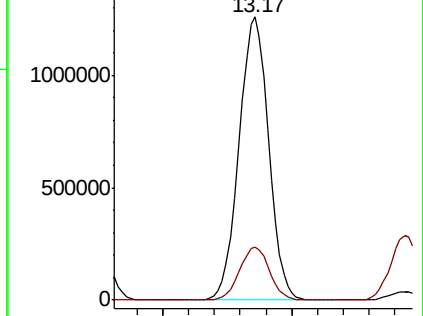
105 100

134 19.0 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.697 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

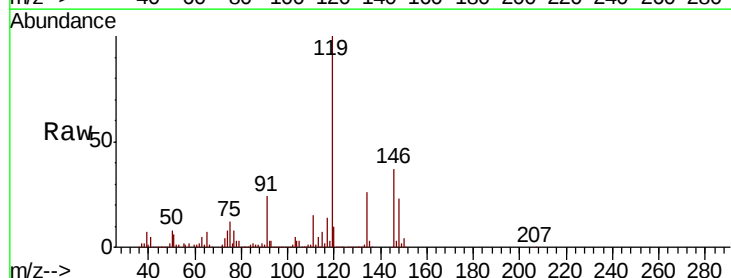
Tgt Ion:119 Resp: 1722141

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

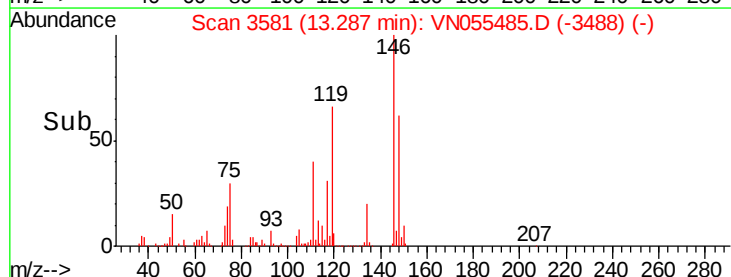
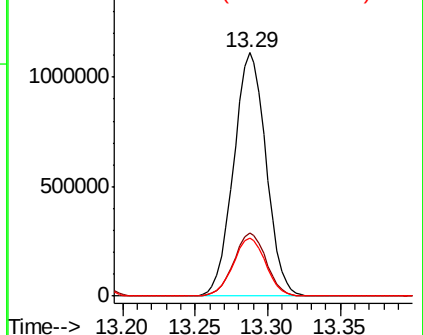
91 23.9 12.0 36.0

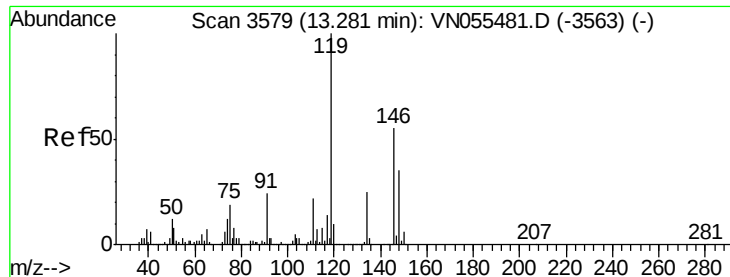


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.552 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

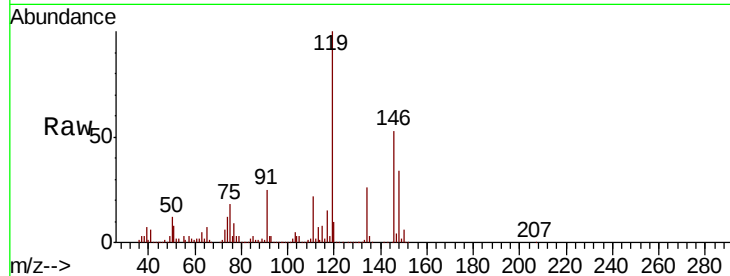
Tot Ion:146 Resp: 804558

Ion Ratio Lower Upper

146 100

111 40.3 20.4 61.3

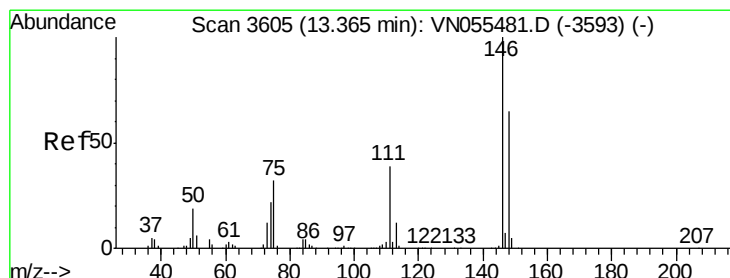
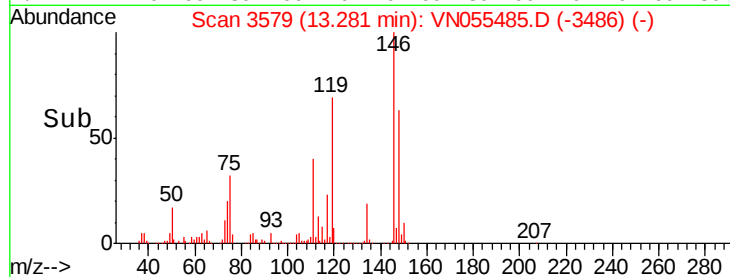
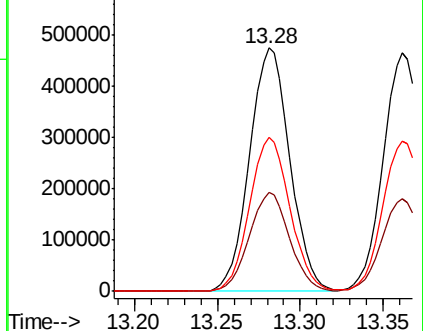
148 63.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.665 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

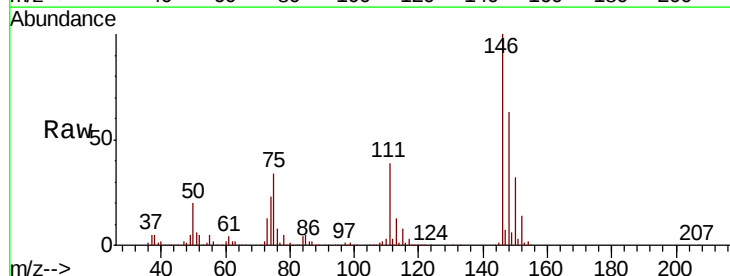
Tgt Ion:146 Resp: 780089

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.8

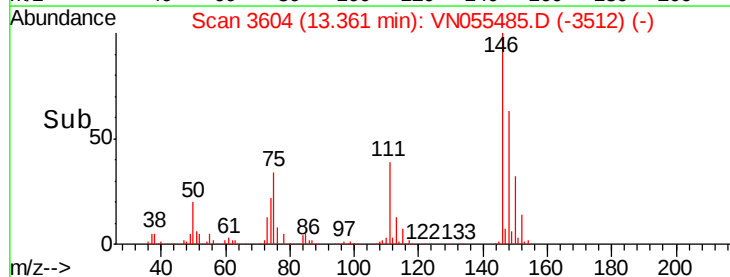
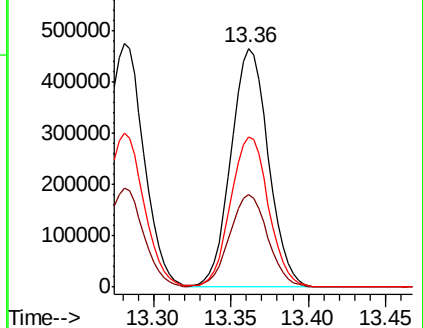
148 64.1 32.5 97.4

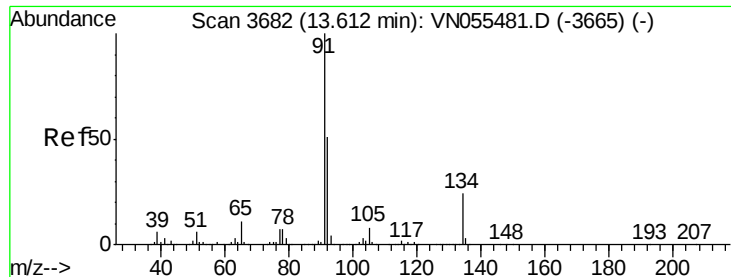


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

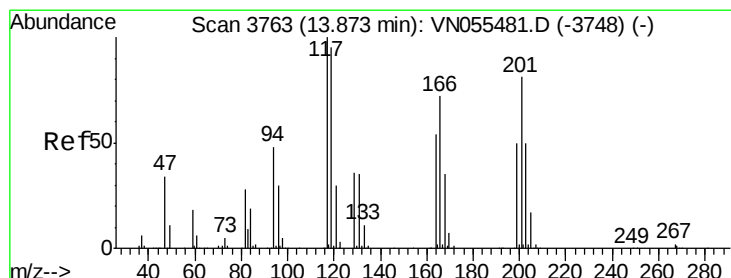
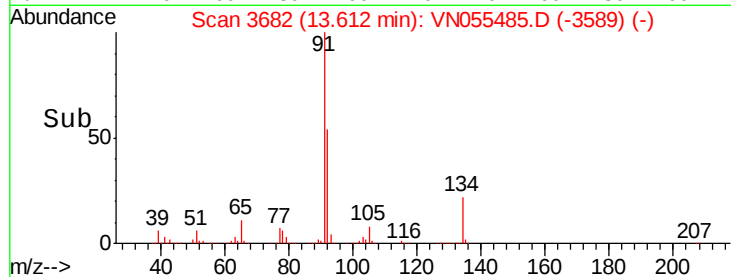
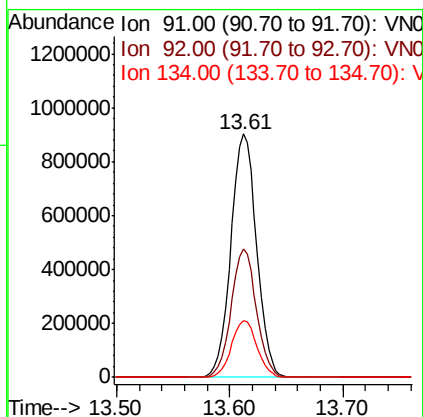
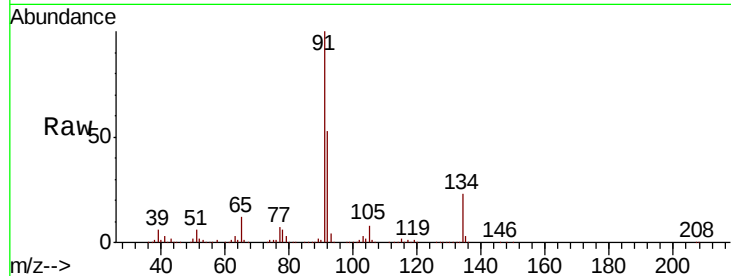




#89
n-Butylbenzene
Concen: 53.002 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

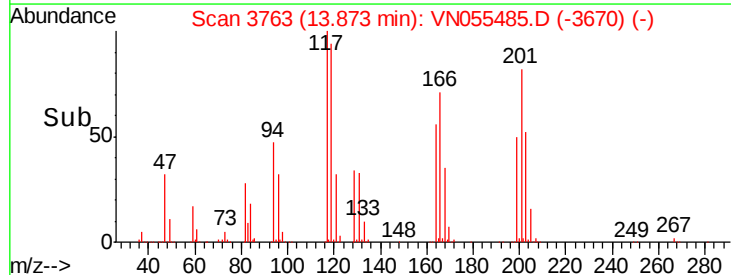
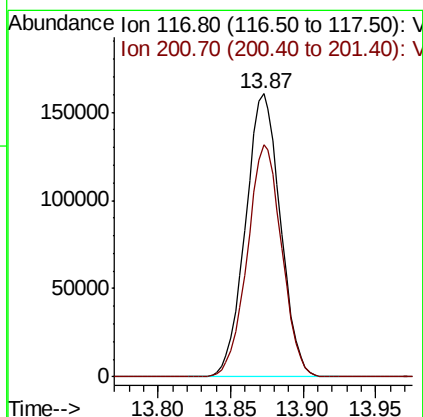
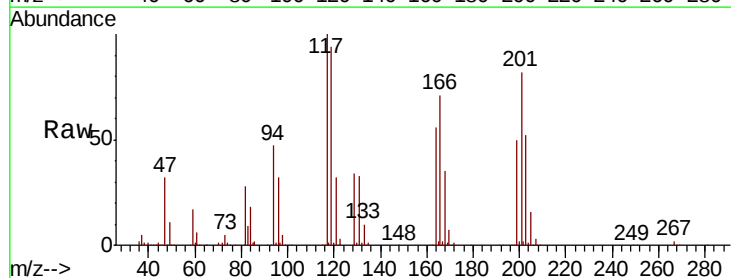
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

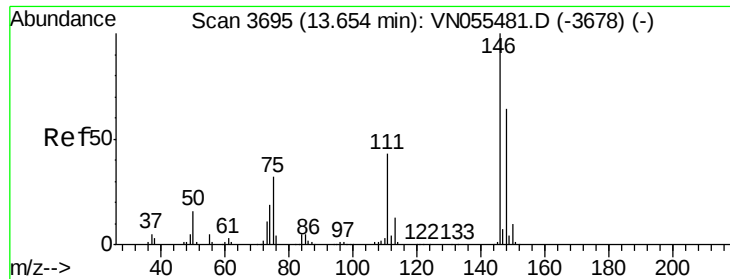
Tot Ion: 91 Resp: 1423660
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.7
134 23.4 11.8 35.4



#90
Hexachloroethane
Concen: 47.601 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055485.D
Acq: 9 May 2019 10:03

Tgt Ion: 117 Resp: 269078
Ion Ratio Lower Upper
117 100
201 80.8 40.1 120.2

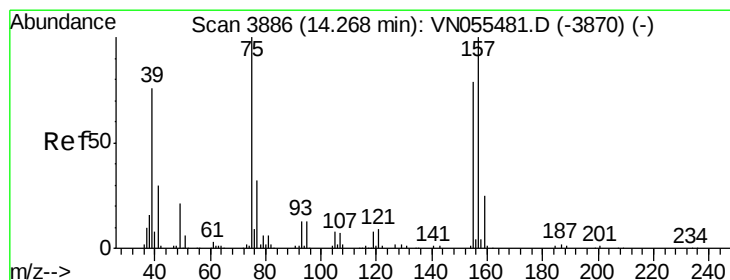
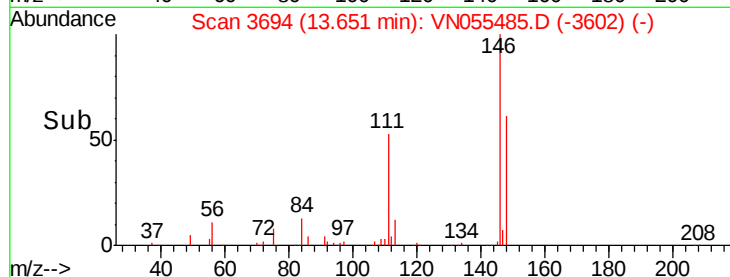
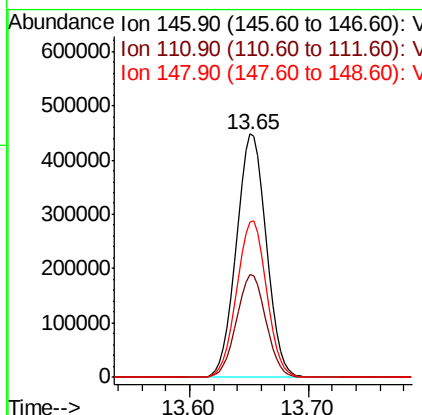
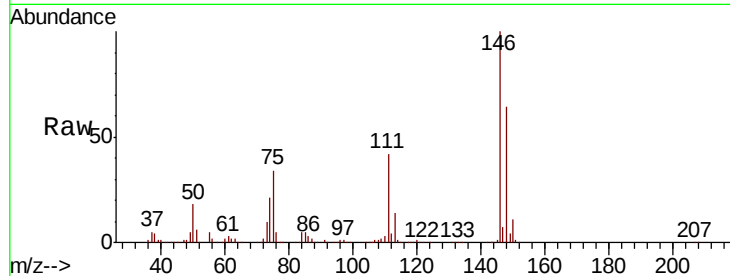




#91
 1,2-Dichlorobenzene
 Concen: 49.095 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

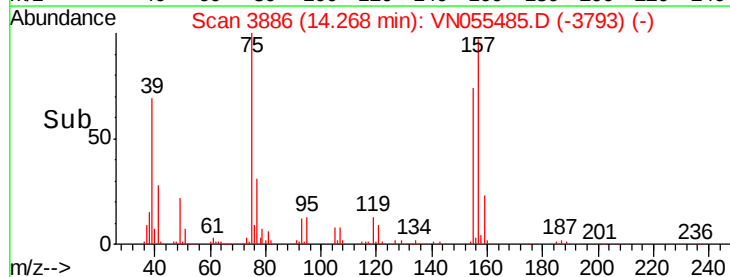
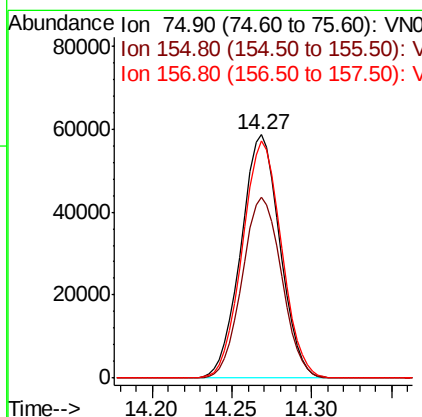
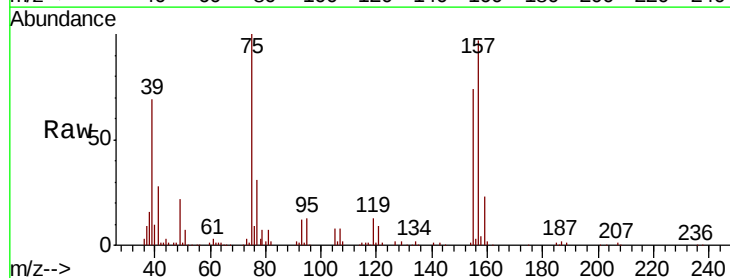
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

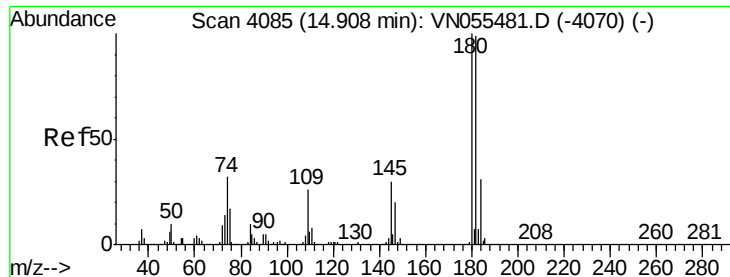
Tot Ion:146 Resp: 780933
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.3 63.7
 148 64.2 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.343 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion: 75 Resp: 97449
 Ion Ratio Lower Upper
 75 100
 155 75.1 39.3 117.8
 157 97.9 50.6 151.8

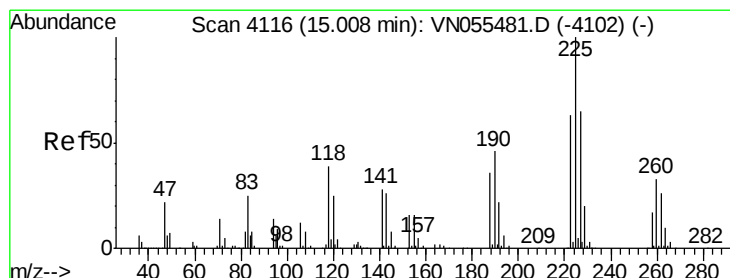
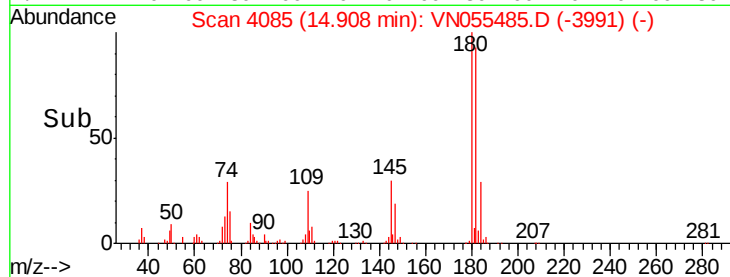
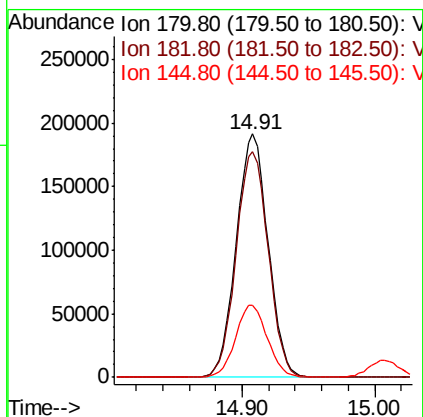
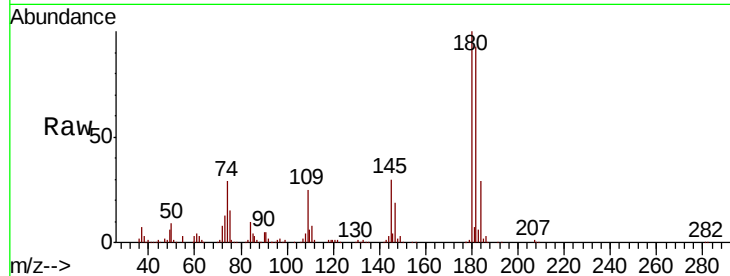




#93
 1,2,4-Trichlorobenzene
 Concen: 46.276 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

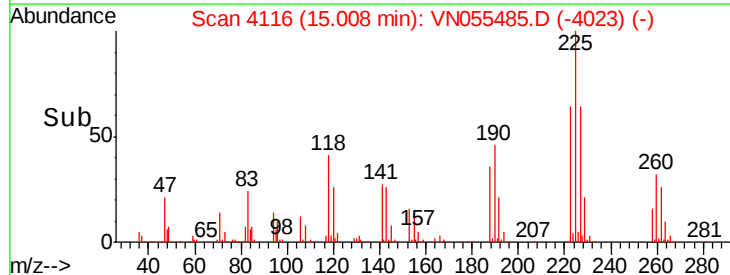
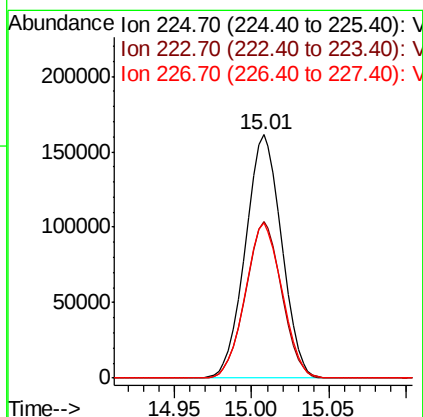
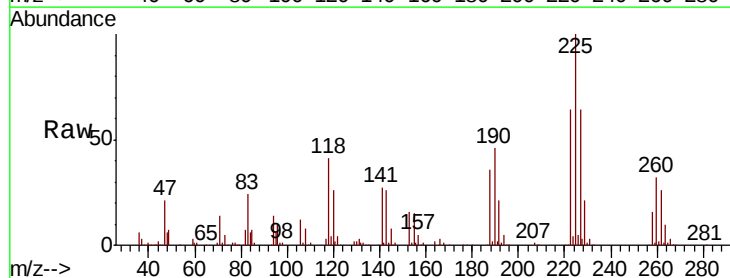
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

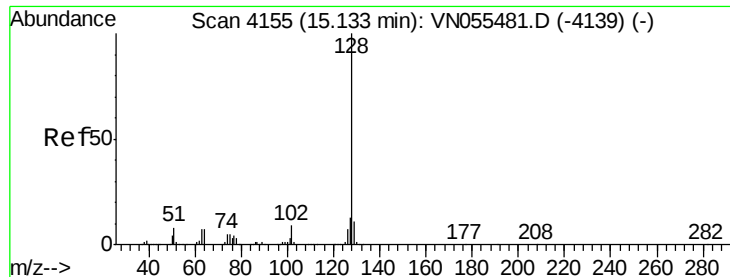
Tot Ion:180 Resp: 318736
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.7 146.1
 145 29.6 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 56.254 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055485.D
 Acq: 9 May 2019 10:03

Tgt Ion:225 Resp: 263427
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.4 94.3
 227 64.5 32.0 96.0





#95

Naphthalene

Concen: 40.782 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

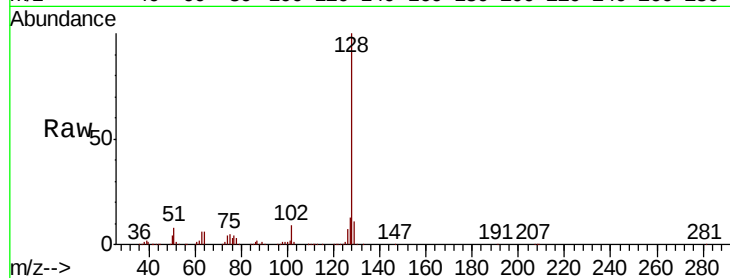
Tot Ion:128 Resp: 783494

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

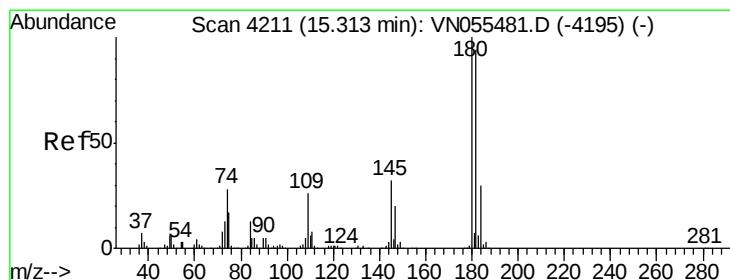
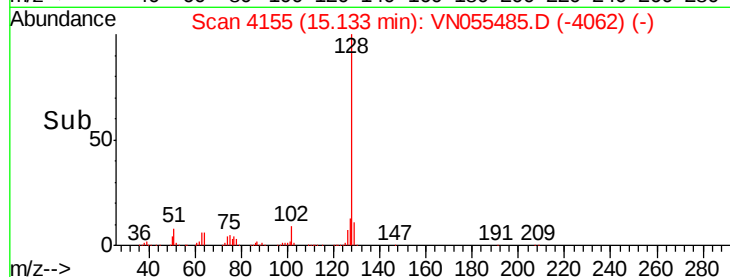
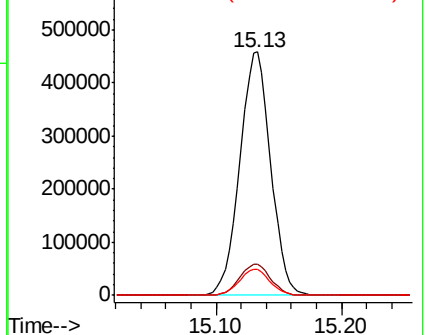
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.446 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055485.D

Acq: 9 May 2019 10:03

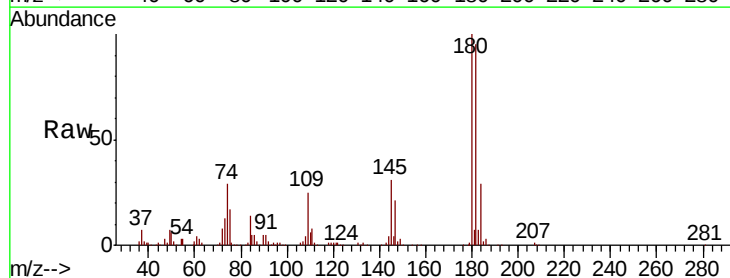
Tgt Ion:180 Resp: 339101

Ion Ratio Lower Upper

180 100

182 95.5 47.1 141.3

145 31.4 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

